

Day : Friday  
Date: 2/20/2004


**PALM INTRANET**

Time: 13:57:19

**Inventor Name Search Result**

Your Search was:

Last Name = RAITANO

First Name = ARTHUR

Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
<a href="#">60317840</a>	Not Issued	159	09/06/2001	NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	RAITANO, ARTHUR B.
<a href="#">60316664</a>	Not Issued	159	08/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 205P1B5 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<a href="#">60296656</a>	Not Issued	159	06/06/2001	SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	RAITANO, ARTHUR B.
<a href="#">60291118</a>	Not Issued	159	05/15/2001	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	RAITANO, ARTHUR B.
<a href="#">60162610</a>	Not Issued	159	10/28/1999	DIAGNOSIS AND THERAPY OF PROSTATE CANCER USING SGP28 AS TARGET	RAITANO, ARTHUR B.
<a href="#">10649110</a>	Not Issued	019	01/01/0001	PHELIX: A TESTIS-SPECIFIC PROTEIN EXPRESSED IN CANCER	RAITANO, ARTHUR B.
<a href="#">10649010</a>	Not Issued	019	08/26/2003	PTANS: TESTIS-SPECIFIC PROTEINS EXPRESSED IN PROSTATE CANCER	RAITANO, ARTHUR B.
<a href="#">10641633</a>	Not Issued	019	08/15/2003	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 273P4B7 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<a href="#">10415014</a>	Not	020	10/27/2003	NUCLEIC ACID AND	RAITANO,

	Issued			CORRESPONDING PROTEIN ENTITLED 205P1B5 USEFUL IN TREATMENT AND DETECTION OF CANCER	ARTHUR B.
<u>10306631</u>	Not Issued	030	11/27/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 24P4C12 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10291241</u>	Not Issued	030	11/07/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10285045</u>	Not Issued	030	10/30/2002	NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED IN PROSTATE CANCER	RAITANO, ARTHUR B.
<u>10284660</u>	Not Issued	030	10/30/2002	NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED IN PROSTATE CANCER	RAITANO, ARTHUR B.
<u>10283903</u>	Not Issued	030	10/29/2002	103P2D6: TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	RAITANO, ARTHUR B.
<u>10283722</u>	Not Issued	030	10/29/2002	103P2D6: TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	RAITANO, ARTHUR B.
<u>10280711</u>	Not Issued	019	10/25/2002	NUCLEIC ACID AND ENCODED ZINC TRANSPORTER PROTEIN ENTITLED 108P5H8 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10280340</u>	Not Issued	030	10/25/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	RAITANO, ARTHUR B.
<u>10277292</u>	Not Issued	030	10/21/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	RAITANO, ARTHUR B.
<u>10236878</u>	Not	030	09/06/2002	NUCLEIC ACID AND	RAITANO,

	Issued			CORRESPONDING PROTEIN ENTITLED STEAP-1 USEFUL IN TREATMENT AND DETECTION OF CANCER	ARTHUR B.
<u>10120835</u>	Not Issued	030	04/09/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 121P2A3 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10099460</u>	Not Issued	030	03/13/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 125P5C8 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10087190</u>	Not Issued	030	02/28/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 121P1F1 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10062109</u>	Not Issued	030	01/31/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10024652</u>	Not Issued	030	12/17/2001	NUCLEIC ACID AND ENCODED ZINC TRANSPORTER PROTEIN ENTITLED 108P5H8 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10013312</u>	Not Issued	030	12/07/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 193P1E1B USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10011095</u>	Not Issued	041	12/06/2001	ANTIBODIES IMMUNOSPECIFIC FOR STEAP1	RAITANO, ARTHUR B.
<u>10010667</u>	Not Issued	041	12/06/2001	PEPTIDES DERIVED FROM STEAP1	RAITANO, ARTHUR B.
<u>10005480</u>	Not Issued	030	11/07/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>10001469</u>	Not Issued	041	10/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN	RAITANO, ARTHUR B.

				ENTITLED 101P3A41 USEFUL IN TREATMENT AND DETECTION OF CANCER	
<u>09942052</u>	Not Issued	041	08/28/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 85P1B3 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>09935430</u>	Not Issued	071	08/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	RAITANO, ARTHUR B.
<u>09935384</u>	Not Issued	161	08/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1H4 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	RAITANO, ARTHUR B.
<u>09932414</u>	Not Issued	160	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED PHOR1-A11 AND PHOR1-F5D6 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>09932165</u>	Not Issued	161	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 83P2H3 AND CATRF2E11 USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>09887593</u>	Not Issued	041	06/21/2001	BPC-1: A SECRETED BRAIN-SPECIFIC PROTEIN EXPRESSED AND SECRETED BY PROSTATE AND BLADDER CANCER CELLS	RAITANO, ARTHUR B.
<u>09881636</u>	Not Issued	120	06/13/2001	55P4H4: GENE EXPRESSED IN VARIOUS CANCERS	RAITANO, ARTHUR B.
<u>09834765</u>	Not Issued	161	04/12/2001	GTP-BINDING PROTEIN USEFUL IN TREATMENT AND DETECTION OF CANCER	RAITANO, ARTHUR B.
<u>09809638</u>	Not Issued	041	03/14/2001	125P5C8: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	RAITANO, ARTHUR B.
<u>09799250</u>	Not	041	03/05/2001	121P1F1: A TISSUE SPECIFIC	RAITANO,

	Issued			PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	ARTHUR B.
<u>09793451</u>	Not Issued	041	02/26/2001	103P2D6: TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	RAITANO, ARTHUR B.
<u>09702114</u>	6566078	150	10/30/2000	SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTIC OF TUMORS SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTICS OF TUMORS	RAITANO, ARTHUR B.
<u>09698781</u>	Not Issued	061	10/27/2000	DIAGNOSIS AND THERAPY OF CANCER USING SGP28-RELATED MOLECULES	RAITANO, ARTHUR B.
<u>09697206</u>	Not Issued	061	10/26/2000	NOVEL GENE UPREGULATED IN CANCERS OF THE PROSTATE	RAITANO, ARTHUR B.
<u>09680728</u>	Not Issued	094	10/05/2000	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	RAITANO, ARTHUR B.
<u>09638203</u>	6602501	150	08/11/2000	NOVEL C-TYPE LECTIN TRANSMEMBRANE ANTIGEN EXPRESSED IN HUMAN PROSTATE CANCER AND USES THEREOF.	RAITANO, ARTHUR B.
<u>09615285</u>	Not Issued	120	07/12/2000	NOVEL TUMOR ANTIGEN USEFUL IN DIAGNOSIS AND THERAPY OF PROSTATE AND COLON CANCER	RAITANO, ARTHUR B.
<u>09547789</u>	Not Issued	061	04/12/2000	NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED IN PROSTATE CANCER	RAITANO, ARTHUR B.
<u>09547788</u>	Not Issued	071	04/12/2000	NOVEL PROSTATE-RESTRICTED GENE EXPRESSED IN PROSTATE CANCER	RAITANO, ARTHUR B.
<u>09455486</u>	Not Issued	071	12/06/1999	NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	RAITANO, ARTHUR B.
<u>09409938</u>	6652859	150	09/30/1999	PTANS: TESTIS SPECIFIC PROTEINS EXPRESSED IN	RAITANO, ARTHUR B.

				PROSTATE CANCER	
<u>09389000</u>	Not Issued	094	08/31/1999	PHLIX:A TESTIS-SPECIFIC PROTEIN EXPRESSED IN CANCER	RAITANO, ARTHUR B.

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Day : Friday  
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**PALM INTRANET**

Time: 13:59:02

**Inventor Name Search Result**

Your Search was:

Last Name = AFAR

First Name = DANIEL

Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
<a href="#">60372246</a>	Not Issued	159	04/12/2002	METHODS OF DIAGNOSIS OF CANCER, COMPOSITIONS AND METHODS OF SCREENING FOR MODULATORS OF CANCER	AFAR, DANIEL
<a href="#">60370110</a>	Not Issued	159	04/04/2002	METHODS OF DIAGNOSIS OF PROSTATIC DISEASE, COMPOSITIONS AND METHODS OF SCREENING FOR MODULATORS OF PROSTATIC DISEASE	AFAR, DANIEL
<a href="#">60369899</a>	Not Issued	159	04/04/2002	METHODS OF DIAGNOSIS OF GLIOBLASTOMA, COMPOSITIONS AND METHODS OF SCREENING FOR MODULATORS OF GLIOBLASTOMA	AFAR, DANIEL
<a href="#">60350666</a>	Not Issued	159	11/13/2001	METHODS FOR DIAGNOSIS OF CANCER, COMPOSITIONS AND METHODS OF SCREENING FOR MODULATORS OF CANCER	AFAR, DANIEL
<a href="#">60300373</a>	Not Issued	159	06/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 121P2A3 USEFUL IN TREATMENT AND DETECTION OF CANCER	AFAR, DANIEL
<a href="#">60296656</a>	Not Issued	159	06/06/2001	SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	AFAR, DANIEL E.H.
<a href="#">60295917</a>	Not Issued	159	06/04/2001	METHODS OF DIAGNOSIS AND TREATMENT OF	AFAR, DANIEL

				ANDROGEN-INDEPENDENT PROSTATE CANCER	
<u>60265928</u>	Not Issued	159	02/02/2001	NOVEL METHODS OF DIAGNOSIS OF BREAST CANCER, COMPOSITIONS, AND METHODS OF SCREENING FOR BREAST CANCER	AFAR, DANIEL
<u>60228432</u>	Not Issued	159	08/28/2000	85P1B3/OIP5: A TESTIS SPECIFIC GENE EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.
<u>60227098</u>	Not Issued	159	08/22/2000	NOVEL GENES EXPRESSED IN BLADDER CANCER	AFAR, DANIEL E. H.
<u>60226329</u>	Not Issued	159	08/17/2000	CALCIUM TRANSPORTER PROTEINS EXPRESSED IN PROSTATE	AFAR, DANIEL E.H.
<u>60226241</u>	Not Issued	159	08/17/2000	IDENTIFICATION OF PROSTATE HOMOLOGUES OF OLFACTORY RECEPTOR FAMILY MEMBERS	AFAR, DANIEL E.H.
<u>60218856</u>	Not Issued	159	07/13/2000	PROSTATE TUMOR SPECIFIC PROTEIN	AFAR, DANIEL E.
<u>60211454</u>	Not Issued	159	06/13/2000	55P4H4:A NOVEL GENE EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.
<u>60207138</u>	Not Issued	159	05/24/2000	HOMEODOMAIN PROTEIN USEFUL IN TREATMENT AND DETECTION OF CANCER	AFAR, DANIEL E.
<u>60196647</u>	Not Issued	159	04/12/2000	NOVEL GTP-BINDING PROTEIN USEFUL IN TREATMENT AND DETECTION OF CANCER	AFAR, DANIEL E.
<u>60184558</u>	Not Issued	159	02/24/2000	103P2D6: PROSTATE TUMOR SPECIFIC PROTEIN	AFAR, DANIEL E.
<u>60181261</u>	Not Issued	159	02/09/2000	83P5G4: NOVEL WD40 REPEAT DOMAIN PROTEIN EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.
<u>60181020</u>	Not Issued	159	02/08/2000	34P3D7: A GENE HIGHLY EXPRESSED IN ADVANCED PROSTATE CANCER	AFAR, DANIEL E.
<u>60178560</u>	Not Issued	159	01/26/2000	84P2A9: A PROSTATE AND TESTIS SPECIFIC PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.



<u>10649110</u>	Not Issued	019	01/01/0001	PHELIX: A TESTIS-SPECIFIC PROTEIN EXPRESSED IN CANCER	AFAR, DANIEL E.
<u>10649010</u>	Not Issued	019	08/26/2003	PTANS: TESTIS-SPECIFIC PROTEINS EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.
<u>10633486</u>	Not Issued	019	07/31/2003	DIAGNOSIS OF ZD1839 RESISTANT TUMORS	AFAR, DANIEL
<u>10603505</u>	Not Issued	019	06/24/2003	METHODS OF PROGNOSIS OF PROSTATE CANCER	AFAR, DANIEL E.H.
<u>10160233</u>	Not Issued	030	05/31/2002	METHODS OF DIAGNOSIS AND TREATMENT OF ANDROGEN-DEPENDENT PROSTATE CANCER, PROSTATE CANCER UNDERGOING ANDROGEN-WITHDRAWAL, AND ANDROGEN-INDEPENDENT PROSTATE CANCER	AFAR, DANIEL E.H.
<u>10120835</u>	Not Issued	030	04/09/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 121P2A3 USEFUL IN TREATMENT AND DETECTION OF CANCER	AFAR, DANIEL E. H.
<u>10011095</u>	Not Issued	041	12/06/2001	ANTIBODIES IMMUNOSPECIFIC FOR STEAP1	AFAR, DANIEL E.
<u>10010667</u>	Not Issued	041	12/06/2001	PEPTIDES DERIVED FROM STEAP1	AFAR, DANIEL E.
<u>10001469</u>	Not Issued	041	10/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 101P3A41 USEFUL IN TREATMENT AND DETECTION OF CANCER	AFAR, DANIEL E. H.
<u>09942052</u>	Not Issued	041	08/28/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 85P1B3 USEFUL IN TREATMENT AND DETECTION OF CANCER	AFAR, DANIEL
<u>09935430</u>	Not Issued	071	08/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	AFAR, DANIEL E.H.
<u>09935384</u>	Not	161	08/22/2001	NUCLEIC ACID AND	AFAR, DANIEL E.

	Issued			CORRESPONDING PROTEIN NAMED 158P1H4 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	H.
<u>09932165</u>	Not Issued	161	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 83P2H3 AND CATRF2E11 USEFUL IN TREATMENT AND DETECTION OF CANCER	AFAR, DANIEL E.H.
<u>09887593</u>	Not Issued	041	06/21/2001	BPC-1: A SECRETED BRAIN-SPECIFIC PROTEIN EXPRESSED AND SECRETED BY PROSTATE AND BLADDER CANCER CELLS	AFAR, DANIEL E.
<u>09881636</u>	Not Issued	120	06/13/2001	55P4H4: GENE EXPRESSED IN VARIOUS CANCERS	AFAR, DANIEL E.H.
<u>09866359</u>	Not Issued	161	05/24/2001	98P7C3: HOMEODOMAIN PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	AFAR, DANIEL E.H.
<u>09834765</u>	Not Issued	161	04/12/2001	GTP-BINDING PROTEIN USEFUL IN TREATMENT AND DETECTION OF CANCER	AFAR, DANIEL E.H.
<u>09809638</u>	Not Issued	041	03/14/2001	125P5C8: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	AFAR, DANIEL E.H.
<u>09806352</u>	Not Issued	041	07/03/2001	METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND THERAPY OF PROSTATE CANCER	AFAR, DANIEL E.
<u>09793451</u>	Not Issued	041	02/26/2001	103P2D6: TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	AFAR, DANIEL E.H.
<u>09779308</u>	Not Issued	161	02/08/2001	34P3D7: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.H.
<u>09771312</u>	Not Issued	018	01/26/2001	84P2A9: A PROSTATE AND TESTIS SPECIFIC PROTIEEN HIGHLY EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.H.
<u>09702114</u>	<u>6566078</u>	150	10/30/2000	SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTIC OF TUMORS SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTICS OF	AFAR, DANIEL E.H.

				TUMORS	
<a href="#">09698781</a>	Not Issued	061	10/27/2000	DIAGNOSIS AND THERAPY OF CANCER USING SGP28-RELATED MOLECULES	AFAR, DANIEL E.H.
<a href="#">09697206</a>	Not Issued	061	10/26/2000	NOVEL GENE UPREGULATED IN CANCERS OF THE PROSTATE	AFAR, DANIEL E.H.
<a href="#">09680728</a>	Not Issued	094	10/05/2000	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	AFAR, DANIEL E. H.
<a href="#">09638203</a>	<a href="#">6602501</a>	150	08/11/2000	NOVEL C-TYPE LECTIN TRANSMEMBRANE ANTIGEN EXPRESSED IN HUMAN PROSTATE CANCER AND USES THEREOF.	AFAR, DANIEL E. H.
<a href="#">09615285</a>	Not Issued	120	07/12/2000	NOVEL TUMOR ANTIGEN USEFUL IN DIAGNOSIS AND THERAPY OF PROSTATE AND COLON CANCER	AFAR, DANIEL E. H.
<a href="#">09547789</a>	Not Issued	061	04/12/2000	NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.
<a href="#">09547788</a>	Not Issued	071	04/12/2000	NOVEL PROSTATE-RESTRICTED GENE EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.
<a href="#">09409938</a>	<a href="#">6652859</a>	150	09/30/1999	PTANS: TESTIS SPECIFIC PROTEINS EXPRESSED IN PROSTATE CANCER	AFAR, DANIEL E.

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Time: 13:59:42

## Inventor Name Search Result

Your Search was:

Last Name = JAKOBOVITS

First Name = AYA

Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
<a href="#">60317840</a>	Not Issued	159	09/06/2001	NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	JAKOBOVITS, AYA
<a href="#">60316664</a>	Not Issued	159	08/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 205P1B5 USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<a href="#">60308655</a>	Not Issued	159	07/27/2001	ISOLATION OF MEMBRANE BOUND LIGAND-SPECIFIC COMPLEXES	JAKOBOVITS, AYA
<a href="#">60300373</a>	Not Issued	159	06/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 121P2A3 USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<a href="#">60296656</a>	Not Issued	159	06/06/2001	SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	JAKOBOVITS, AYA
<a href="#">60291118</a>	Not Issued	159	05/15/2001	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	JAKOBOVITS, AYA
<a href="#">60286630</a>	Not Issued	159	04/25/2001	TISSUE SPECIFIC GENES HIGHLY EXPRESSED IN VARIOUS CANCERS	JAKOBOVITS, AYA
<a href="#">60283112</a>	Not Issued	159	04/10/2001	TISSUE SPECIFIC GENES HIGHLY EXPRESSED IN VARIOUS CANCERS	JAKOBOVITS, AYA

<u>60282739</u>	Not Issued	159	04/10/2001	TISSUE SPECIFIC PROTEINS HIGHLY EXPRESSED IN VARIOUS CANCERS	JAKOBOVITS, AYA
<u>60256210</u>	Not Issued	159	12/15/2000	ZINC TRANSPORTER PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	JAKOBOVITS, AYA
<u>60227098</u>	Not Issued	159	08/22/2000	NOVEL GENES EXPRESSED IN BLADDER CANCER	JAKOBOVITS, AYA
<u>60226329</u>	Not Issued	159	08/17/2000	CALCIUM TRANSPORTER PROTEINS EXPRESSED IN PROSTATE	JAKOBOVITS, AYA
<u>10719006</u>	Not Issued	019	11/20/2003	PRODUCTION OF A MULTIMERIC PROTEIN BY CELL FUSION METHOD	JAKOBOVITS, AYA
<u>10658521</u>	Not Issued	018	01/01/0001	HUMAN ANTIBODIES DERIVED FROM IMMUNIZED XENOMICE	JAKOBOVITS, AYA
<u>10641633</u>	Not Issued	019	08/15/2003	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 273P4B7 USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<u>10415014</u>	Not Issued	020	10/27/2003	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 205P1B5 USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<u>10121024</u>	Not Issued	020	04/10/2002	NUCLEIC ACIDS AND CORRESPONDING PROTEINS USEFUL IN THE DETECTION AND TREATMENT OF VARIOUS CANCERS	JAKOBOVITS, AYA
<u>10114669</u>	Not Issued	030	04/01/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 238P1B2 USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<u>10013312</u>	Not Issued	030	12/07/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 193P1E1B USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<u>10005480</u>	Not Issued	030	11/07/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B	JAKOBOVITS, AYA

				USEFUL IN TREATMENT AND DETECTION OF CANCER	
<u>10001469</u>	Not Issued	041	10/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 101P3A41 USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<u>09945387</u>	6677138	150	08/30/2001	PRODUCTION OF A MULTIMERIC PROTEIN BY CELL FUSION METHOD	JAKOBOVITS, AYA
<u>09942052</u>	Not Issued	041	08/28/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 85P1B3 USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<u>09935430</u>	Not Issued	071	08/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	JAKOBOVITS, AYA
<u>09935384</u>	Not Issued	161	08/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1H4 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	JAKOBOVITS, AYA
<u>09934773</u>	Not Issued	061	08/21/2001	PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF	JAKOBOVITS, AYA
<u>09932414</u>	Not Issued	160	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED PHOR1-A11 AND PHOR1-F5D6 USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<u>09932166</u>	Not Issued	061	08/17/2001	ISOLATION OF MEMBRANE BOUND LIGAND-SPECIFIC COMPLEXES	JAKOBOVITS, AYA
<u>09932165</u>	Not Issued	161	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 83P2H3 AND CATRF2E11 USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<u>09887593</u>	Not	041	06/21/2001	BPC-1: A SECRETED BRAIN-	JAKOBOVITS, AYA

	Issued			SPECIFIC PROTEIN EXPRESSED AND SECRETED BY PROSTATE AND BLADDER CANCER CELLS	
<u>09881636</u>	Not Issued	120	06/13/2001	55P4H4: GENE EXPRESSED IN VARIOUS CANCERS	JAKOBOVITS, AYA
<u>09866359</u>	Not Issued	161	05/24/2001	98P7C3: HOMEODOMAIN PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	JAKOBOVITS, AYA
<u>09862856</u>	Not Issued	019	05/22/2001	HUMAN MONOCLONAL ANTIBODIES TO EPIDERMAL GROWTH FACTOR RECEPTOR	JAKOBOVITS, AYA
<u>09855632</u>	Not Issued	061	05/14/2001	PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF	JAKOBOVITS, AYA
<u>09854811</u>	Not Issued	061	05/14/2001	METHODS FOR INDUCING AN IMMUNE RESPONSE TO CANCERS EXPRESSING PSCA	JAKOBOVITS, AYA
<u>09834765</u>	Not Issued	161	04/12/2001	GTP-BINDING PROTEIN USEFUL IN TREATMENT AND DETECTION OF CANCER	JAKOBOVITS, AYA
<u>09809638</u>	Not Issued	041	03/14/2001	125P5C8: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	JAKOBOVITS, AYA
<u>09799250</u>	Not Issued	041	03/05/2001	121P1F1: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	JAKOBOVITS, AYA
<u>09779308</u>	Not Issued	161	02/08/2001	34P3D7: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	JAKOBOVITS, AYA
<u>09771312</u>	Not Issued	018	01/26/2001	84P2A9: A PROSTATE AND TESTIS SPECIFIC PROTIEEN HIGHLY EXPRESSED IN PROSTATE CANCER	JAKOBOVITS, AYA
<u>09718717</u>	Not Issued	041	11/22/2000	GENERATION OF LARGE GENOMIC DNA DELETIONS	JAKOBOVITS, AYA
<u>09702114</u>	6566078	150	10/30/2000	SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTIC OF	JAKOBOVITS, AYA

				TUMORS SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTICS OF TUMORS	
<u>09698781</u>	Not Issued	061	10/27/2000	DIAGNOSIS AND THERAPY OF CANCER USING SGP28- RELATED MOLECULES	JAKOBOVITS, AYA
<u>09697206</u>	Not Issued	061	10/26/2000	NOVEL GENE UPREGULATED IN CANCERS OF THE PROSTATE	JAKOBOVITS, AYA
<u>09680728</u>	Not Issued	094	10/05/2000	NOVEL G PROTEIN- COUPLED RECEPTOR UP- REGULATED IN PROSTATE CANCER AND USES THEREOF	JAKOBOVITS, AYA
<u>09653722</u>	Not Issued	161	09/01/2000	GENERATION OF XENOGENEIC ANTIBODIES	JAKOBOVITS, AYA
<u>09638203</u>	<u>6602501</u>	150	08/11/2000	NOVEL C-TYPE LECTIN TRANSMEMBRANE ANTIGEN EXPRESSED IN HUMAN PROSTATE CANCER AND USES THEREOF.	JAKOBOVITS, AYA
<u>09615285</u>	Not Issued	120	07/12/2000	NOVEL TUMOR ANTIGEN USEFUL IN DIAGNOSIS AND THERAPY OF PROSTATE AND COLON CANCER	JAKOBOVITS, AYA
<u>09610259</u>	<u>6458592</u>	150	07/05/2000	PRODUCTION OF ANTIBODIES USING CRE- MEDIATED SITE-SPECIFIC RECOMBINATION	JAKOBOVITS, AYA
<u>09564329</u>	<u>6541212</u>	150	05/03/2000	METHODS FOR DETECTING PROSTATE STEM CELL ANTIGEN PROTEIN	JAKOBOVITS, AYA
<u>08486857</u>	<u>6075181</u>	150	06/07/1995	HUMAN ANTIBODIES DERIVED FROM IMMUNIZED XENOMICE	JAKOBOVITS, AYA

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## Inventor Name Search Result

Your Search was:

Last Name = HUBERT

First Name = RENE

Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
<a href="#">60374035</a>	Not Issued	159	04/19/2002	DOMINANT-NEGATIVE OPGL THERAPEUTIC PROTEINS AND THEIR USE IN TREATING BONE DISORDERS	HUBERT, RENE S.
<a href="#">60354647</a>	Not Issued	159	02/05/2002	METHODS FOR DETECTING INTERACTIONS BETWEEN PROTEINS AND SMALL MOLECULES	HUBERT, RENE S.
<a href="#">60317840</a>	Not Issued	159	09/06/2001	NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	HUBERT, RENE S.
<a href="#">60316664</a>	Not Issued	159	08/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 205P1B5 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<a href="#">60300373</a>	Not Issued	159	06/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 121P2A3 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<a href="#">60296656</a>	Not Issued	159	06/06/2001	SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	HUBERT, RENE S.
<a href="#">60291118</a>	Not Issued	159	05/15/2001	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	HUBERT, RENE S.
<a href="#">60286630</a>	Not Issued	159	04/25/2001	TISSUE SPECIFIC GENES HIGHLY EXPRESSED IN	HUBERT, RENE S.

				VARIOUS CANCERS	
<u>60283112</u>	Not Issued	159	04/10/2001	TISSUE SPECIFIC GENES HIGHLY EXPRESSED IN VARIOUS CANCERS	HUBERT, RENE S.
<u>60282739</u>	Not Issued	159	04/10/2001	TISSUE SPECIFIC PROTEINS HIGHLY EXPRESSED IN VARIOUS CANCERS	HUBERT, RENE S.
<u>60256210</u>	Not Issued	159	12/15/2000	ZINC TRANSPORTER PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	HUBERT, RENE S.
<u>60226329</u>	Not Issued	159	08/17/2000	CALCIUM TRANSPORTER PROTEINS EXPRESSED IN PROSTATE	HUBERT, RENE S.
<u>60226241</u>	Not Issued	159	08/17/2000	IDENTIFICATION OF PROSTATE HOMOLOGUES OF OLFACTORY RECEPTOR FAMILY MEMBERS	HUBERT, RENE S.
<u>60181261</u>	Not Issued	159	02/09/2000	83P5G4: NOVEL WD40 REPEAT DOMAIN PROTEIN EXPRESSED IN PROSTATE CANCER	HUBERT, RENE S.
<u>60181020</u>	Not Issued	159	02/08/2000	34P3D7: A GENE HIGHLY EXPRESSED IN ADVANCED PROSTATE CANCER	HUBERT, RENE S.
<u>60178560</u>	Not Issued	159	01/26/2000	84P2A9: A PROSTATE AND TESTIS SPECIFIC PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	HUBERT, RENE S.
<u>10649110</u>	Not Issued	019	01/01/0001	PHELIX: A TESTIS-SPECIFIC PROTEIN EXPRESSED IN CANCER	HUBERT, RENE S.
<u>10649010</u>	Not Issued	019	08/26/2003	PTANS: TESTIS-SPECIFIC PROTEINS EXPRESSED IN PROSTATE CANCER	HUBERT, RENE S.
<u>10611363</u>	Not Issued	020	07/01/2003	NOVEL VARIANTS OF RANKL PROTEIN	HUBERT, RENE S.
<u>10415014</u>	Not Issued	020	10/27/2003	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 205P1B5 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>10120885</u>	Not Issued	030	04/09/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P5C5 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.

<u>10114669</u>	Not Issued	030	04/01/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 238P1B2 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>10114432</u>	Not Issued	020	04/01/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 213P1F11 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>10062109</u>	Not Issued	030	01/31/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>10013312</u>	Not Issued	030	12/07/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 193P1E1B USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>10011095</u>	Not Issued	041	12/06/2001	ANTIBODIES IMMUNOSPECIFIC FOR STEAP1	HUBERT, RENE S.
<u>10010667</u>	Not Issued	041	12/06/2001	PEPTIDES DERIVED FROM STEAP1	HUBERT, RENE S.
<u>10005480</u>	Not Issued	030	11/07/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>10001469</u>	Not Issued	041	10/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 101P3A41 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>09942052</u>	Not Issued	041	08/28/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 85P1B3 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>09935430</u>	Not Issued	071	08/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	HUBERT, RENE S.
<u>09935384</u>	Not	161	08/22/2001	NUCLEIC ACID AND	HUBERT, RENE S.

	Issued			CORRESPONDING PROTEIN NAMED 158P1H4 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	
<u>09932414</u>	Not Issued	160	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED PHOR1-A11 AND PHOR1-F5D6 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>09932165</u>	Not Issued	161	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 83P2H3 AND CATRF2E11 USEFUL IN TREATMENT AND DETECTION OF CANCER	HUBERT, RENE S.
<u>09887593</u>	Not Issued	041	06/21/2001	BPC-1: A SECRETED BRAIN-SPECIFIC PROTEIN EXPRESSED AND SECRETED BY PROSTATE AND BLADDER CANCER CELLS	HUBERT, RENE S.
<u>09881636</u>	Not Issued	120	06/13/2001	55P4H4: GENE EXPRESSED IN VARIOUS CANCERS	HUBERT, RENE S.
<u>09866359</u>	Not Issued	161	05/24/2001	98P7C3: HOMEODOMAIN PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	HUBERT, RENE S.
<u>09779308</u>	Not Issued	161	02/08/2001	34P3D7: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	HUBERT, RENE S.
<u>09771312</u>	Not Issued	018	01/26/2001	84P2A9: A PROSTATE AND TESTIS SPECIFIC PROTIEN HIGHLY EXPRESSED IN PROSTATE CANCER	HUBERT, RENE S.
<u>09702114</u>	6566078	150	10/30/2000	SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTIC OF TUMORS SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTICS OF TUMORS	HUBERT, RENE S.
<u>09698781</u>	Not Issued	061	10/27/2000	DIAGNOSIS AND THERAPY OF CANCER USING SGP28-RELATED MOLECULES	HUBERT, RENE S.
<u>09697206</u>	Not Issued	061	10/26/2000	NOVEL GENE UPREGULATED IN CANCERS OF THE PROSTATE	HUBERT, RENE S.

<a href="#">09680728</a>	Not Issued	094	10/05/2000	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	HUBERT, RENE S.
<a href="#">09638203</a>	6602501	150	08/11/2000	NOVEL C-TYPE LECTIN TRANSMEMBRANE ANTIGEN EXPRESSED IN HUMAN PROSTATE CANCER AND USES THEREOF.	HUBERT, RENE S.
<a href="#">09615285</a>	Not Issued	120	07/12/2000	NOVEL TUMOR ANTIGEN USEFUL IN DIAGNOSIS AND THERAPY OF PROSTATE AND COLON CANCER	HUBERT, RENE S.
<a href="#">09547789</a>	Not Issued	061	04/12/2000	NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED IN PROSTATE CANCER	HUBERT, RENE S.
<a href="#">09547788</a>	Not Issued	071	04/12/2000	NOVEL PROSTATE-RESTRICTED GENE EXPRESSED IN PROSTATE CANCER	HUBERT, RENE S.
<a href="#">09455486</a>	Not Issued	071	12/06/1999	NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	HUBERT, RENE S.
<a href="#">09410901</a>	Not Issued	161	10/02/1999	NOVEL GENE EXPRESSED IN CANCER	HUBERT, RENE S.
<a href="#">09409938</a>	6652859	150	09/30/1999	PTANS: TESTIS SPECIFIC PROTEINS EXPRESSED IN PROSTATE CANCER	HUBERT, RENE S.
<a href="#">09389000</a>	Not Issued	094	08/31/1999	PHELIX:A TESTIS-SPECIFIC PROTEIN EXPRESSED IN CANCER	HUBERT, RENE S.

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## Inventor Name Search Result

Your Search was:

Last Name = MITCHELL

First Name = STEVE

Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
<a href="#">60535635</a>	Not Issued	020	01/12/2004	DISPOSABLE TOWELS AND BATH SETS	MITCHELL, STEVE O.
<a href="#">60524350</a>	Not Issued	020	11/21/2003	ARTIFICIAL VERTEBRAL DISK REPLACEMENT IMPLANT WITH A SPACER AND LATERAL IMPLANT METHOD	MITCHELL, STEVE
<a href="#">60523604</a>	Not Issued	020	11/20/2003	INTERVERTEBRAL BODY FUSION CAGE WITH KEELS AND LATERAL IMPLANTATION METHOD	MITCHELL, STEVE
<a href="#">60517973</a>	Not Issued	020	11/06/2003	ARTIFICIAL VERTEBRAL DISK REPLACEMENT IMPLANT WITH CROSSBAR SPACER AND LATERAL IMPLANT METHOD	MITCHELL, STEVE
<a href="#">60517791</a>	Not Issued	018	11/05/2003	ARTIFICIAL VERTEBRAL DISK REPLACEMENT IMPLANT WITH CROSSBAR SPACER AND LATERAL IMPLANT METHOD	MITCHELL, STEVE
<a href="#">60493804</a>	Not Issued	020	08/11/2003	METHOD AND SYSTEM FOR DETECTING PATHOGENS IN TRAY-SORTED MAIL UTILIZING A FORCED-AIR FLOW	MITCHELL, STEVE S.
<a href="#">60306262</a>	Not Issued	159	07/18/2001	SUPPLEMENTAL SPINE FIXATION DEVICE AND METHOD	MITCHELL, STEVE
<a href="#">60296656</a>	Not Issued	159	06/06/2001	SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	MITCHELL, STEVE CHAPPELL

<u>60291118</u>	Not Issued	159	05/15/2001	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	MITCHELL, STEVE CHAPPELL
<u>60286630</u>	Not Issued	159	04/25/2001	TISSUE SPECIFIC GENES HIGHLY EXPRESSED IN VARIOUS CANCERS	MITCHELL, STEVE CHAPPELL
<u>60282739</u>	Not Issued	159	04/10/2001	TISSUE SPECIFIC PROTEINS HIGHLY EXPRESSED IN VARIOUS CANCERS	MITCHELL, STEVE CHAPPELL
<u>60228432</u>	Not Issued	159	08/28/2000	85P1B3/OIP5: A TESTIS SPECIFIC GENE EXPRESSED IN PROSTATE CANCER	MITCHELL, STEVE CHAPPELL
<u>60226329</u>	Not Issued	159	08/17/2000	CALCIUM TRANSPORTER PROTEINS EXPRESSED IN PROSTATE	MITCHELL, STEVE C.
<u>60220927</u>	Not Issued	159	07/26/2000	NOVEL PHOSPHOROUS-CONTAINING MONOMERS AND FLAME RETARDANT HIGH IMPACT MONOVINYLDENE AROMATIC POLYMER COMPOSITIONS DERIVED THEREFROM	MITCHELL, STEVEN R.
<u>60218856</u>	Not Issued	159	07/13/2000	PROSTATE TUMOR SPECIFIC PROTEIN	MITCHELL, STEVE
<u>60213612</u>	Not Issued	159	06/22/2000	METHOD AND APPARATUS FOR INTUBATING A PATIENT	MITCHELL, STEVE Z.
<u>60207138</u>	Not Issued	159	05/24/2000	HOMEODOMAIN PROTEIN USEFUL IN TREATMENT AND DETECTION OF CANCER	MITCHELL, STEVE C.
<u>60204185</u>	Not Issued	159	05/15/2000	METHOD AND APPARATUS FOR INTUBATING A PATIENT	MITCHELL, STEVE Z.
<u>60201993</u>	Not Issued	159	05/04/2000	METHOD AND APPARATUS FOR INTUBATING A PATIENT	MITCHELL, STEVE Z.
<u>60196647</u>	Not Issued	159	04/12/2000	NOVEL GTP-BINDING PROTEIN USEFUL IN TREATMENT AND DETECTION OF CANCER	MITCHELL, STEVE C.
<u>60184920</u>	Not Issued	159	02/25/2000	METHOD AND SYSTEM FOR MANAGING A PACKAGING OPERATION	MITCHELL, STEVEN KIM

<u>60184558</u>	Not Issued	159	02/24/2000	103P2D6: PROSTATE TUMOR SPECIFIC PROTEIN	MITCHELL, STEVE
<u>60181261</u>	Not Issued	159	02/09/2000	83P5G4: NOVEL WD40 REPEAT DOMAIN PROTEIN EXPRESSED IN PROSTATE CANCER	MITCHELL, STEVE
<u>60181020</u>	Not Issued	159	02/08/2000	34P3D7: A GENE HIGHLY EXPRESSED IN ADVANCED PROSTATE CANCER	MITCHELL, STEVE
<u>60178560</u>	Not Issued	159	01/26/2000	84P2A9: A PROSTATE AND TESTIS SPECIFIC PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	MITCHELL, STEVE
<u>29118762</u>	D443145	150	02/15/2000	LIGHT-REFLECTIVE WALL COVERING	MITCHELL, STEVEN
<u>10694103</u>	Not Issued	019	10/27/2003	INTERSPINOUS PROCESS IMPLANT WITH RADIOLUCENT SPACER AND LEAD-IN TISSUE EXPANDER	MITCHELL, STEVE
<u>10685139</u>	Not Issued	020	10/14/2003	INTERSPINOUS PROCESS AND SACRUM IMPLANT AND METHOD	MITCHELL, STEVE
<u>10685134</u>	Not Issued	019	10/14/2003	TOOLS FOR IMPLANTING AN ARTIFICIAL VERTEBRAL DISK AND METHOD	MITCHELL, STEVE
<u>10685011</u>	Not Issued	019	10/14/2003	ARTIFICIAL VERTEBRAL DISK REPLACEMENT IMPLANT WITH A SPACER AND METHOD	MITCHELL, STEVE
<u>10684669</u>	Not Issued	019	10/14/2003	ARTIFICIAL VERTEBRAL DISK REPLACEMENT IMPLANT WITH TRANSLATING PIVOT POINT AND METHOD	MITCHELL, STEVE
<u>10684668</u>	Not Issued	019	10/14/2003	ARTIFICIAL VERTEBRAL DISK REPLACEMENT IMPLANT WITH CROSSBAR SPACER AND METHOD	MITCHELL, STEVE
<u>09982418</u>	6652527	150	10/18/2001	SUPPLEMENTAL SPINE FIXATION DEVICE AND METHOD	MITCHELL, STEVE
<u>09912083</u>	6503992	150	07/24/2001	NOVEL PHOSPHORUS-CONTAINING MONOMERS AND FLAME RETARDANT HIGH IMPACT MONOVINYLDENE	MITCHELL, STEVEN R.



				AROMATIC POLYMER COMPOSITIONS DERIVED THEREFROM	
<u>09881636</u>	Not Issued	120	06/13/2001	55P4H4: GENE EXPRESSED IN VARIOUS CANCERS	MITCHELL, STEVE CHAPPELL
<u>09866359</u>	Not Issued	161	05/24/2001	98P7C3: HOMEODOMAIN PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	MITCHELL, STEVE CHAPPELL
<u>09837075</u>	6510750	150	04/18/2001	STEERING WHEEL TORQUE AND POSITION SENSOR	MITCHELL, STEVEN R.
<u>09834765</u>	Not Issued	161	04/12/2001	GTP-BINDING PROTEIN USEFUL IN TREATMENT AND DETECTION OF CANCER	MITCHELL, STEVE CHAPPELL
<u>09809638</u>	Not Issued	041	03/14/2001	125P5C8: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	MITCHELL, STEVE CHAPPELL
<u>09799250</u>	Not Issued	041	03/05/2001	121P1F1: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	MITCHELL, STEVE CHAPPELL
<u>09779308</u>	Not Issued	161	02/08/2001	34P3D7: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	MITCHELL, STEVE CHAPPELL
<u>09771312</u>	Not Issued	018	01/26/2001	84P2A9: A PROSTATE AND TESTIS SPECIFIC PROTIEN HIGHLY EXPRESSED IN PROSTATE CANCER	MITCHELL, STEVE CHAPPELL
<u>09702114</u>	6566078	150	10/30/2000	SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTIC OF TUMORS SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTICS OF TUMORS	MITCHELL, STEVE CHAPPELL
<u>09698781</u>	Not Issued	061	10/27/2000	DIAGNOSIS AND THERAPY OF CANCER USING SGP28-RELATED MOLECULES	MITCHELL, STEVE CHAPPELL
<u>09697206</u>	Not Issued	061	10/26/2000	NOVEL GENE UPREGULATED IN CANCERS OF THE PROSTATE	MITCHELL, STEVE CHAPPELL
<u>09691472</u>	Not Issued	030	10/17/2000	SYSTEM AND METHOD FOR ON-LINE MANAGEMENT OF AUTOMATIC BILL PAYMENT	MITCHELL, STEVEN R.

<a href="#">09680728</a>	Not Issued	094	10/05/2000	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	MITCHELL, STEVE CHAPPELL
<a href="#">09677436</a>	Not Issued	094	10/03/2000	COMPUTER DISPLAY SYSTEM WITH MANUAL FAIL-SAFE BACK-UP	MITCHELL, STEVEN W.
<a href="#">09670338</a>	<a href="#">6345577</a>	150	09/27/2000	ENERGETIC DETERRENT COATING FOR GUN PROPELLANT	MITCHELL, STEVE
<a href="#">09620625</a>	Not Issued	080	07/20/2000	SYSTEM AND METHOD FOR SPECIFICATION AND EXCHANGE MANAGEMENT	MITCHELL, STEVEN KIM
<a href="#">09528466</a>	Not Issued	041	03/17/2000	PURCHASE COORDINATOR FOR ELECTRONIC COMMERCE	MITCHELL, STEVEN R.

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**Inventor Name Search Result**

Your Search was:

Last Name = FARIS

First Name = MARY

Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
<a href="#">60335698</a>	Not Issued	159	11/01/2001	TRANSPORTERS AND ION CHANNELS	FARIS, MARY
<a href="#">60317840</a>	Not Issued	159	09/06/2001	NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	FARIS, MARY
<a href="#">60316664</a>	Not Issued	159	08/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 205P1B5 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<a href="#">60300373</a>	Not Issued	159	06/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 121P2A3 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<a href="#">60296656</a>	Not Issued	159	06/06/2001	SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	FARIS, MARY
<a href="#">60295048</a>	Not Issued	159	05/31/2001	GENES EXPRESSED IN PROSTATE CANCER	FARIS, MARY
<a href="#">60291118</a>	Not Issued	159	05/15/2001	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	FARIS, MARY
<a href="#">60286630</a>	Not Issued	159	04/25/2001	TISSUE SPECIFIC GENES HIGHLY EXPRESSED IN VARIOUS CANCERS	FARIS, MARY
<a href="#">60283112</a>	Not Issued	159	04/10/2001	TISSUE SPECIFIC GENES HIGHLY EXPRESSED IN VARIOUS CANCERS	FARIS, MARY

<u>60282739</u>	Not Issued	159	04/10/2001	TISSUE SPECIFIC PROTEINS HIGHLY EXPRESSED IN VARIOUS CANCERS	FARIS, MARY
<u>60222469</u>	Not Issued	159	07/28/2000	PROSTATE CANCER MARKERS	FARIS, MARY
<u>60209009</u>	Not Issued	159	06/01/2000	GENES EXPRESSED IN PROSTATE CANCER	FARIS, MARY
<u>10641633</u>	Not Issued	019	08/15/2003	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 273P4B7 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10415014</u>	Not Issued	020	10/27/2003	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 205P1B5 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10291241</u>	Not Issued	030	11/07/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10283903</u>	Not Issued	030	10/29/2002	103P2D6: TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	FARIS, MARY
<u>10283722</u>	Not Issued	030	10/29/2002	103P2D6: TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	FARIS, MARY
<u>10280711</u>	Not Issued	019	10/25/2002	NUCLEIC ACID AND ENCODED ZINC TRANSPORTER PROTEIN ENTITLED 108P5H8 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10280340</u>	Not Issued	030	10/25/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	FARIS, MARY
<u>10277292</u>	Not Issued	030	10/21/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	FARIS, MARY

<u>10252157</u>	Not Issued	030	05/29/2002	GENES EXPRESSED IN PROSTATE CANCER	FARIS, MARY
<u>10236878</u>	Not Issued	030	09/06/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED STEAP-1 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10121016</u>	Not Issued	030	04/09/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 162P1E6 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10114669</u>	Not Issued	030	04/01/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 238P1B2 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10099460</u>	Not Issued	030	03/13/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 125P5C8 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10087190</u>	Not Issued	030	02/28/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 121P1F1 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10062109</u>	Not Issued	030	01/31/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10024652</u>	Not Issued	030	12/17/2001	NUCLEIC ACID AND ENCODED ZINC TRANSPORTER PROTEIN ENTITLED 108P5H8 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10013312</u>	Not Issued	030	12/07/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 193P1E1B USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>10005480</u>	Not Issued	030	11/07/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B USEFUL IN TREATMENT AND	FARIS, MARY

				DETECTION OF CANCER	
<u>10001469</u>	Not Issued	041	10/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 101P3A41 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>09942052</u>	Not Issued	041	08/28/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 85P1B3 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>09935430</u>	Not Issued	071	08/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	FARIS, MARY
<u>09935384</u>	Not Issued	161	08/22/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1H4 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS	FARIS, MARY
<u>09932414</u>	Not Issued	160	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED PHOR1-A11 AND PHOR1-F5D6 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>09932165</u>	Not Issued	161	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 83P2H3 AND CATRF2E11 USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>09919172</u>	<u>6673545</u>	150	07/30/2001	PROSTATE CANCER MARKERS	FARIS, MARY
<u>09881636</u>	Not Issued	120	06/13/2001	55P4H4: GENE EXPRESSED IN VARIOUS CANCERS	FARIS, MARY
<u>09866359</u>	Not Issued	161	05/24/2001	98P7C3: HOMEODOMAIN PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	FARIS, MARY
<u>09834765</u>	Not Issued	161	04/12/2001	GTP-BINDING PROTEIN USEFUL IN TREATMENT AND DETECTION OF CANCER	FARIS, MARY
<u>09809638</u>	Not	041	03/14/2001	125P5C8: A TISSUE SPECIFIC	FARIS, MARY

	Issued			PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	
<a href="#">09802520</a>	Not Issued	060	03/09/2001	STEAP-RELATED PROTEIN	FARIS, MARY
<a href="#">09799250</a>	Not Issued	041	03/05/2001	121P1F1: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	FARIS, MARY
<a href="#">09793451</a>	Not Issued	041	02/26/2001	103P2D6: TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN VARIOUS CANCERS	FARIS, MARY
<a href="#">09780053</a>	Not Issued	161	02/09/2001	83P5G4: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	FARIS, MARY
<a href="#">09779308</a>	Not Issued	161	02/08/2001	34P3D7: A TISSUE SPECIFIC PROTEIN HIGHLY EXPRESSED IN PROSTATE CANCER	FARIS, MARY
<a href="#">09702114</a>	<a href="#">6566078</a>	150	10/30/2000	SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTIC OF TUMORS SECRETED PROTEIN CALLED 36P6D5 CHARACTERISTICS OF TUMORS	FARIS, MARY
<a href="#">09698781</a>	Not Issued	061	10/27/2000	DIAGNOSIS AND THERAPY OF CANCER USING SGP28- RELATED MOLECULES	FARIS, MARY
<a href="#">09680728</a>	Not Issued	094	10/05/2000	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	FARIS, MARY
<a href="#">09653119</a>	<a href="#">6544742</a>	150	08/31/2000	DETECTION OF GENES REGULATED BY EGF IN BREAST CANCER	FARIS, MARY
<a href="#">09615285</a>	Not Issued	120	07/12/2000	NOVEL TUMOR ANTIGEN USEFUL IN DIAGNOSIS AND THERAPY OF PROSTATE AND COLON CANCER	FARIS, MARY

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 PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = SAFFRAN

First Name = DOUGLAS

Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
<a href="#">60296656</a>	Not Issued	159	06/06/2001	SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	SAFFRAN, DOUGLAS C.
<a href="#">60291118</a>	Not Issued	159	05/15/2001	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	SAFFRAN, DOUGLAS C.
<a href="#">60087611</a>	Not Issued	159	06/02/1998	PROSTATE CANCER DIAGNOSIS AND THERAPY USING HEPATOCYTE GROWTH FACTOR ACTIVATOR INHIBITOR	SAFFRAN, DOUGLAS C.
<a href="#">60087610</a>	Not Issued	159	06/02/1998	28P3E1 GENE AND PROSTATE CANCER DIAGNOSTIC AND THERAPEUTIC METHODS USING SAME	SAFFRAN, DOUGLAS C.
<a href="#">60087603</a>	Not Issued	159	06/01/1998	PROSTATE CANCER DIAGNOSIS AND THERAPY USING MAGE6	SAFFRAN, DOUGLAS C.
<a href="#">60087601</a>	Not Issued	159	06/01/1998	30P3G3: A NOVEL ANDROGEN-INDEPENDENT PROSTATE CANCER SPECIFIC GENE	SAFFRAN, DOUGLAS C.
<a href="#">60087599</a>	Not Issued	159	06/01/1998	A NOVEL GENE PREDOMINANTLY EXPRESSED IN PROSTATE	SAFFRAN, DOUGLAS C.
<a href="#">60087598</a>	Not Issued	159	06/01/1998	PROSTATE CANCER DIAGNOSIS AND THERAPY USING TMPRSS2	SAFFRAN, DOUGLAS C.
<a href="#">60087562</a>	Not Issued	159	06/01/1998	10P4B4: A NOVEL ANDROGEN-INDEPENDENT PROSTATE CANCER SPECIFIC	SAFFRAN, DOUGLAS C.



				GENE	
<u>60087520</u>	Not Issued	159	06/01/1998	8P1D4 GENE AND PROSTATE CANCER DIAGNOSTIC AND THERAPEUTIC METHODS USING SAME	SAFFRAN , DOUGLAS C.
<u>60087519</u>	Not Issued	159	06/11/1998	8P2G11 GENE AND PROSTATE CANCER DIAGNOSTIC AND THERAPEUTIC METHODS USING SAME	SAFFRAN , DOUGLAS C.
<u>60085720</u>	Not Issued	159	05/15/1998	PROSTAPIN: A NOVEL PROSTATE SPECIFIC GENE'	SAFFRAN , DOUGLAS C.
<u>60085719</u>	Not Issued	159	05/15/1998	11P2H5: A NOVEL PROSTATE TUMOR ANTIGEN	SAFFRAN , DOUGLAS C.
<u>60080170</u>	Not Issued	159	03/31/1998	NOVEL PROSTATE SPECIFIC GENE UP-REGULATED IN ANDROGEN INDEPENDENT PROSTATE CANCER	SAFFRAN , DOUGLAS C.
<u>60080169</u>	Not Issued	159	03/31/1998	11P2H5: A NOVEL PROSTATE TUMOR ANTIGEN	SAFFRAN , DOUGLAS C.
<u>60080168</u>	Not Issued	159	03/31/1998	PP1E8: A NOVEL PROSTATE-SPECIFIC GENE DOWN-REGULATED IN PROSTATE CANCER	SAFFRAN , DOUGLAS C.
<u>60080167</u>	Not Issued	159	03/31/1998	NOVEL PROSTATE SPECIFIC GENE	SAFFRAN , DOUGLAS C.
<u>10446542</u>	Not Issued	030	05/27/2003	PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF	SAFFRAN, DOUGLAS C.
<u>10408009</u>	Not Issued	030	04/04/2003	NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREFOR	SAFFRAN, DOUGLAS C.
<u>10374381</u>	Not Issued	030	02/25/2003	PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF	SAFFRAN, DOUGLAS C.
<u>10285045</u>	Not Issued	030	10/30/2002	NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED IN PROSTATE CANCER	SAFFRAN, DOUGLAS C.
<u>10284660</u>	Not Issued	030	10/30/2002	NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED IN PROSTATE CANCER	SAFFRAN, DOUGLAS C.
<u>10225784</u>	Not	041	08/21/2002	PSCA PROSTATE STEM CELL	SAFFRAN,

	Issued			ANTIGEN AND USES THEREOF	DOUGLAS C.
<u>10225779</u>	Not Issued	071	08/21/2002	PSCA: PROSTATE STEM CELL ANTIGEN	SAFFRAN, DOUGLAS C.
<u>10224720</u>	Not Issued	041	08/20/2002	PSCA: PROSTATE STEM CELL ANITGEN AND USES THEREOF	SAFFRAN, DOUGLAS C.
<u>10165044</u>	Not Issued	030	06/06/2002	SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	SAFFRAN, DOUGLAS
<u>10147368</u>	Not Issued	041	05/15/2002	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 101P3A11 OR PHOR-1 USEFUL IN TREATMENT AND DETECTION OF CANCER	SAFFRAN, DOUGLAS
<u>10120835</u>	Not Issued	030	04/09/2002	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 121P2A3 USEFUL IN TREATMENT AND DETECTION OF CANCER	SAFFRAN, DOUGLAS
<u>10017066</u>	Not Issued	071	12/14/2001	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	SAFFRAN, DOUGLAS C.
<u>10011095</u>	Not Issued	041	12/06/2001	ANTIBODIES IMMUNOSPECIFIC FOR STEAP1	SAFFRAN, DOUGLAS C.
<u>10010667</u>	Not Issued	041	12/06/2001	PEPTIDES DERIVED FROM STEAP1	SAFFRAN, DOUGLAS C.
<u>10001469</u>	Not Issued	041	10/31/2001	NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 101P3A41 USEFUL IN TREATMENT AND DETECTION OF CANCER	SAFFRAN, DOUGLAS C.
<u>09934773</u>	Not Issued	061	08/21/2001	PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF	SAFFRAN, DOUGLAS C.
<u>09932165</u>	Not Issued	161	08/17/2001	NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 83P2H3 AND CATRF2E11 USEFUL IN TREATMENT AND DETECTION OF CANCER	SAFFRAN, DOUGLAS

<u>09887593</u>	Not Issued	041	06/21/2001	BPC-1: A SECRETED BRAIN-SPECIFIC PROTEIN EXPRESSED AND SECRETED BY PROSTATE AND BLADDER CANCER CELLS	SAFFRAN, DOUGLAS C.
<u>09855632</u>	Not Issued	061	05/14/2001	PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF	SAFFRAN, DOUGLAS C.
<u>09854811</u>	Not Issued	061	05/14/2001	METHODS FOR INDUCING AN IMMUNE RESPONSE TO CANCERS EXPRESSING PSCA	SAFFRAN, DOUGLAS C.
<u>09680728</u>	Not Issued	094	10/05/2000	NOVEL G PROTEIN-COUPLED RECEPTOR UP-REGULATED IN PROSTATE CANCER AND USES THEREOF	SAFFRAN, DOUGLAS C.
<u>09615285</u>	Not Issued	120	07/12/2000	NOVEL TUMOR ANTIGEN USEFUL IN DIAGNOSIS AND THERAPY OF PROSTATE AND COLON CANCER	SAFFRAN, DOUGLAS
<u>09564329</u>	6541212	150	05/03/2000	METHODS FOR DETECTING PROSTATE STEM CELL ANTIGEN PROTEIN	SAFFRAN, DOUGLAS C
<u>09547789</u>	Not Issued	061	04/12/2000	NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED IN PROSTATE CANCER	SAFFRAN, DOUGLAS C.
<u>09547788</u>	Not Issued	071	04/12/2000	NOVEL PROSTATE-RESTRICTED GENE EXPRESSED IN PROSTATE CANCER	SAFFRAN, DOUGLAS C.
<u>09455486</u>	Not Issued	071	12/06/1999	NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	SAFFRAN, DOUGLAS C.
<u>09374135</u>	6277972	150	08/10/1999	BPC-1: A SECRETED BRAIN-SPECIFIC PROTEIN EXPRESSED AND SECRETED BY PROSTATE AND BLADDER CANCER CELLS	SAFFRAN, DOUGLAS C.
<u>09323873</u>	6329503	150	06/01/1999	NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS EXPRESSED IN HUMAN CANCERS AND USES THEREOF	SAFFRAN, DOUGLAS C.

<a href="#">09323597</a>	Not Issued	120	06/01/1999	NOVEL TUMOR ANTIGEN USEFUL IN DIAGNOSIS AND THERAPY OF PROSTATE AND COLON CANCER	SAFFRAN , DOUGLAS C.
<a href="#">09283949</a>	Not Issued	160	04/01/1999	NOVEL PROSTATE TUMOR SPECIFIC CDNA	SAFFRAN , DOUGLAS C.
<a href="#">09283946</a>	Not Issued	161	03/31/1999	PROSTAPIN GENE AND PROTEIN AND USES THEREOF	SAFFRAN , DOUGLAS C.
<a href="#">08391615</a>	<a href="#">5550054</a>	150	02/21/1995	HEMATOPOIETIC RESTRICTED TYROSINE KINASE (BPK)	SAFFRAN , DOUGLAS
<a href="#">08006449</a>	Not Issued	166	01/21/1993	HEMATOPOIETIC RESTRICTED TYROSINE KINASE (BPK)	SAFFRAN , DOUGLAS
<a href="#">07985998</a>	Not Issued	161	12/04/1992	HEMATOPOIETIC RESTRICTED TYROSINE KINASE (BPK)	SAFFRAN , DOUGLAS

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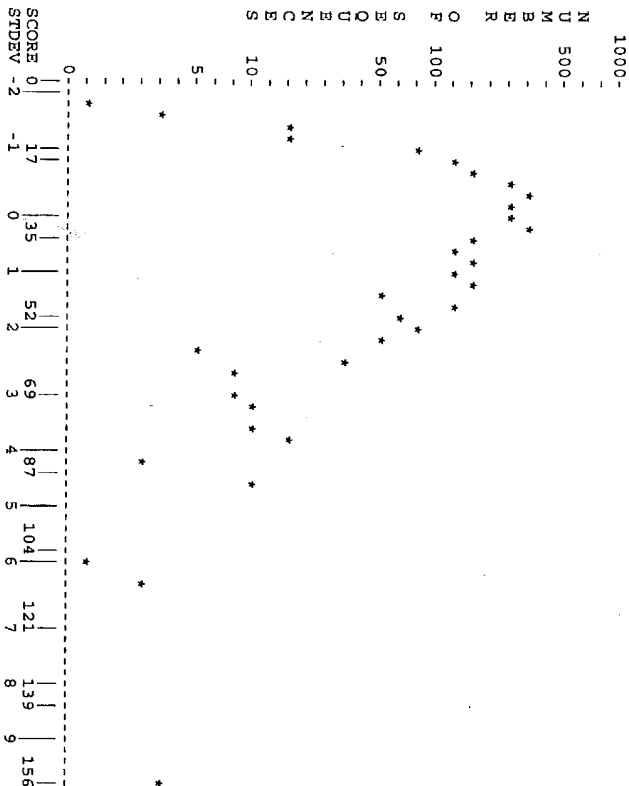
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Number of sequences searched: 2632  
Number of scores above cutoff: 2632

Results of the initial comparison of US-09-759-143-916' (1-1302) with:  
File: cat.seq



## PARAMETERS

Similarity matrix Unitary 1  
Mismatch penalty 1.00  
Gap size penalty 0.33  
Cutoff score 0  
Randomization group 0

## SEARCH STATISTICS

Scores: Mean Median Standard Deviation  
34 33 12.84  
Times: CPU  
00:00:03.00 Total Elapsed  
00:00:03.00

Number of residues: 1293930  
Number of sequences searched: 2632  
Number of scores above cutoff: 2632

The scores below are sorted by initial score.  
Significance is calculated based on initial score.  
A 100% identical sequence to the query sequence was not found.

The list of best scores is:

Sequence Name	Description	Length	Score	Int. Opt.	Seq. Frame
1. US-09-288-946-35	Sequence 352, Application 251	156	164	9.50	0
2. US-09-352-616A-3	Sequence 352, Application 251	156	164	9.50	0
3. US-09-439-313-35	Sequence 352, Application 251	156	164	9.50	0
4. US-09-352-616A-4	Sequence 469, Application 2229	110	563	5.92	0
5. US-09-439-313-46	Sequence 469, Application 2229	110	563	5.92	0
6. US-09-232-149A-1	Sequence 14, Application 816	107	199	5.68	0
7. US-09-288-946-10	Sequence 106, Application 473	90	208	4.36	0
8. US-09-115-453-10	Sequence 106, Application 473	90	208	4.36	0
9. US-09-159-812-10	Sequence 106, Application 473	90	208	4.36	0
10. US-09-232-149A-1	Sequence 106, Application 473	90	208	4.36	0
11. US-09-352-616A-1	Sequence 106, Application 473	90	208	4.36	0
12. US-09-439-313-10	Sequence 106, Application 473	90	208	4.36	0
13. US-09-030-607-10	Sequence 106, Application 473	90	208	4.36	0
14. US-09-020-956-10	Sequence 106, Application 473	90	208	4.36	0
15. US-09-352-616A-4	Sequence 470, Application 2426	89	453	4.28	0
16. US-09-439-313-47	Sequence 470, Application 2426	89	453	4.28	0
17. US-09-352-616A-3	Sequence 396, Application 403	84	170	3.89	0
18. US-09-439-313-39	Sequence 396, Application 403	84	170	3.89	0
19. US-09-288-946-14	Sequence 14, Application 816	80	199	3.58	0
20. US-08-904-804-14	Sequence 14, Application 816	80	199	3.58	0
21. US-08-806-099-14	Sequence 14, Application 816	80	199	3.58	0
22. US-09-115-453-14	Sequence 14, Application 816	80	199	3.58	0
23. US-09-159-812-14	Sequence 14, Application 816	80	199	3.58	0
24. US-09-352-616A-1	Sequence 14, Application 816	80	199	3.58	0
25. US-09-439-313-14	Sequence 14, Application 816	80	199	3.58	0
26. US-09-030-607-14	Sequence 14, Application 816	80	199	3.58	0
27. US-09-020-956-14	Sequence 14, Application 816	80	199	3.58	0
28. US-09-288-946-33	Sequence 335, Application 2984	80	539	3.58	0
29. US-09-232-149A-3	Sequence 335, Application 2984	80	539	3.58	0
30. US-09-352-616A-3	Sequence 335, Application 2984	80	539	3.58	0
31. US-09-439-313-33	Sequence 335, Application 2984	80	539	3.58	0
32. US-09-288-946-63	Sequence 69, Application 536	77	233	3.35	0
33. US-08-904-804-63	Sequence 69, Application 536	77	233	3.35	0
34. US-09-115-453-63	Sequence 69, Application 536	77	233	3.35	0
35. US-09-159-812-63	Sequence 69, Application 536	77	233	3.35	0
36. US-09-232-149A-6	Sequence 69, Application 536	77	233	3.35	0
37. US-09-352-616A-6	Sequence 69, Application 536	77	233	3.35	0
38. US-09-439-313-63	Sequence 69, Application 536	77	233	3.35	0
39. US-09-030-607-63	Sequence 69, Application 536	77	233	3.35	0
40. US-09-020-956-63	Sequence 69, Application 536	77	233	3.35	0
41. US-09-352-616A-4	Sequence 431, Application 332	72	118	2.96	0
42. US-09-439-313-43	Sequence 431, Application 332	72	118	2.96	0
43. US-09-288-946-16	Sequence 164, Application 469	72	209	2.96	0
44. US-09-115-453-16	Sequence 164, Application 469	72	209	2.96	0
45. US-09-159-812-16	Sequence 164, Application 469	72	209	2.96	0
46. US-09-232-149A-1	Sequence 164, Application 469	72	209	2.96	0
47. US-09-352-616A-1	Sequence 164, Application 469	72	209	2.96	0
48. US-09-439-313-16	Sequence 164, Application 469	72	209	2.96	0
49. US-09-030-607-16	Sequence 164, Application 469	72	209	2.96	0









[illegible]

US-09-759-143-916/ (1-1302)  
US-09-232-149A-1 Sequence 14, Application US/093232149A

Sequence 14, Application US/093232149A  
Patent No. 6465611  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Devin C.  
APPLICANT: Michan, Jennifer Lynn  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROS  
TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE  
FILE REFERENCE: 210121.44706  
CURRENT APPLICATION NUMBER: US/09/232.149A  
CURRENT FILING DATE: 1999-01-15  
NUMBER OF SEQ ID NOS: 338  
SOFTWARE: fastseq for Windows Version 3.0  
SEQ ID NO 14  
LENGTH: 816  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(816)  
OTHER INFORMATION: n = A,T,C or G

Initial Score	=	107	Optimized Score	=	199	Significance	=	5.68
Residue Identity	=	47%	Matches	=	240	Mismatches	=	212
Gaps	=	58	Conservative Substitutions				=	0

CAAGCCACACCAATTTTGGTGCACAGGCAAGCAACGTAACTGTGTGCATGTGGCGAGCGTGGGTGACAGATGGCCCA	780	790	800	810	820	830	840
850	860	870	880	890	900	910	
CAATAGCGGTCAAAAGGCATAGCCACAGCACTGTGTGATTCATGTCCAGAT--AAGAGTGTATGCGCAAAATCATC							
TTGTTCGAT--AACAAACCA---CCATAGGTAAAGCGGGGCGCGAGTGTTCCTGTGAAGGCGTTG--TAGTA--CCACGC	30	40	50	60	70	80	
920	930	940	950	960	970	980	
TTTAGCAGACAAGCATCAAACTCAATGCATGTGTAGTG--GAATTGAA---CCA--GAAGATGGCC---AGCATTTTGG							
---GG--GGGATGC--TCTCTTGCAAGTCCGTGTGTCTGGCAGAGTCCAGCGAG--TGCCCTTTGTACTGGGGG	90	100	110	120	130	140	150
990	1000	1010	1020	1030	1040	1050	
GCATGATAGGTGTGAGAT--GAGATATCTCAATGCTGAAGAGATGCAAAAGAAATATATACATGGGCTCATGCG							
AATGATGATCGCTGAGAGCTGTCGAAGGCACAT--CGTG--TATTTTTCACAGGA--GCTCTGTCCAGCGGCTGCG	160	170	180	190	200	210	220
1060	1070	1080	1090	1100	1110		
AGGCTGT--GCTCAGTCCGCACAAATGTGATATTTGTAAAGTTACTTGGCA---CAGCA--ATAAGTAGAG							
GGGCAATTTGGGGGTGTCTTCACTCCAGGAAACTGTCAATGACAGCAGCCATTTGTGAGCGGAACCTGGGTGTG	230	240	250	260	270	280	290
1120	1130	1140	1150	1160	1170	1180	
GGAGCAATTGGGAAGGCCAACAGAACTGAGCCCTCTTTCTAAACAGGAGAGGCCCTATTAGAGATGAATATGT							
GGGTGCANGTGCCAGAGACACTGTGATGGCGCCT--TTCCATGNNANG--GCCCT--GNGGGA--AAGTCCCTC	300	310	320	330	340	350	360
1190	1200	1210	1220	1230	1240	1250	
-ACACTGATATTCATTTCCTATTTGGGATGCATCCATCATGAAGA-----AG--CTGAATGTGACCAAG--ACC							
GAATCCCANAA---NCTGCTCTCAAAAGCCCCACCTTGCAACCCCGACAGGCTTAAGATGAATCTTCTTCC	370	380	390	400	410	420	430
1260	1270	1280	1290	1300	X		
AGGCAAGTATGAGGCTCAACCGTATG--GAAGAA--TGTGTACCCCCCTTTGTCCA							
CGAAGATGTGTTTTC--TTGT--TCCCAACANCCCCCTTAAACAACACTCTTTGCAANATGTGCTCCGAGGGGG	440	450	460	470	480	X	490
GTCTAATATACACANGCTGGAAAAGAACCCCGAGC	500	510	520	530			

7. US-09-759-143-916\* (1-1302)  
US-09-288-946-10 Sequence 106, Application US/09288946

Sequence 106, Application US/09288946

GENERAL INFORMATION:

APPLICANT: Xu, Jianshun  
APPLICANT: Dillon, Devin C.  
APPLICANT: Mitcham, Jennifer Lynn  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE  
FILE REFERENCE: 210121.427C7  
CURRENT APPLICATION NUMBER: US/09/288,946  
CURRENT FILING DATE: 1999-04-09  
NUMBER OF SEQ ID NOS: 381  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 106

LENGTH: 473  
TYPE: DNA  
ORGANISM: Homo sapien

Initial Score = 90 Optimized Score = 208 Significance = 4.36  
Residue Identity = 50% Matches = 260 Mismatches = 182  
Gaps = 77 Conservative Substitutions = 0

```

90      100      110      120      130      140      150
GAAACAAAGAGAAATATATATGAAAAATGAGATTCCCAACAGCTTATATTTGAAGATCTG--A
G-TTCTATTTTATTTA--ATTAAAGCTTG---TC--A-----TTTCATTTATTA--GCTTGCA
30      40      50      60      70
GCATGTAAATGAAAGATATATACCTTCAACCAACCACTAGTACGGTATATATATATATAG--CA
TTTATTTTATTTTATTTAGTCA
X
10      20
20      30      40      50      60      70
GTT--GTATTTTATTAAGAAATTTTCTGAAATCTG---CTTCCAAATGT---TAACATTAAA
160      170      180      190      200      210      220
CTTACATATTTAATTAAGAAACGTTT---AGCACTGTACAAATTTATTAATTAAGTGCATTATG
80      90      100      110      120      130      140
TCTGAATCAGAGACTC--TGAATGAAAAAGATTGATCTACAGCACTTACAGGCTCTGAAGCGTGTG
230      240      250      260      270      280      290
AGT--AAT--ATATTCCTCCAGAGTGGATGTGCCCTT--CTC--CCACCACTATATGAAGCAACTAGT--
150      160      170      180      190      200      210
CCACATGGAAGAGTGAAGATGCGCTG--TCAATCTC--CTTGTCTTCACTCCATAGACATTTG--GTTGA
300      310      320      330      340      350
TTAATTTATTTAGTGA--TATACACTGCTGCAACGCTAATTCCTT--CTCCATCCCAATGTGATATGT
220      230      240      250      260      270      280
GACACGAG--GAACACGAG--ATAGAT--ATTGGCCAGAT--GACGGGACGGGAGAGTCAAGC--CGCTT--
360      370      380      390      400      410      420
GTATATGTGTAGTTGTGATGATGATCAATCTACATCAACAGCAAGATGA--AGCTAGGCTGGGCTTTC
290      300      310      320      330      340      350
GCTAAGCGATGACCATG---GAC--AATCCATGAAGGTACATAGATATTAACACAGCACACATGA
430      440      450      460      470      480      490
GGTGA--AATGACTGTGTCTGTGATCAATATGATCTG--ACCTATCCTCGGTGGCAAGACTC---TTC
360      370      380      390      400      410
GAGACGCAAGTGC--CAATGCTTGGCTGGCTTCAAGTCTCAAGCCCAACACAGTCTTAAAGATTAAGCAG
500      510      520      530      540      550      560
GAACGCG--TTCTCTAAGGC---GC-T--GCCACATTTGTGGCTCTTTGCACTTGTTCAAA
420      430      440      450      460      470      480
ATATGAGAAAGAGATGAGATGAGTCAAGCCCAATGGCGGAG
570      580      590      600

```

8. US-09-759-143-916' (1-1302)  
US-09-115-453-10 Sequence 106, Application US/09115453B

Sequence 106, Application US/09115453B  
Patent No. 6657056  
GENERAL INFORMATION:  
Applicant: Xu, Jiangchun  
Applicant: Dillon, Davin C.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND  
FILE REFERENCE: 210121.427C4  
CURRENT APPLICATION NUMBER: US/09/115,453B  
CURRENT FILING DATE: 1998-07-14

NUMBER OF SEQ ID NOS: 228  
SOFTWARE: FastSeq For Windows Version 3.0  
SEQ ID NO 106  
LENGTH: 473  
TYPE: DNA  
ORGANISM: Homo sapien

Initial Score = 90 Optimized Score = 208 Significance = 4.36  
Residue Identity = 50% Matches = 260 Mismatches = 182  
Gaps = 77 Conservative Substitutions = 0

```

20      30      40      50      60      70
GCATGTAAATGAAAGATATATACCTTCAACCAACCACTAGTACGGTATATATATATATAG--CA
TTTATTTTATTTTATTTAGTCA
X
10      20
90      100      110      120      130      140      150
GAAACAAAGAGAAATATATATGAAAAATGAGATTCCCAACAGCTTATATTTGAAGATCTG--A
G-TTCTATTTTATTTA--ATTAAAGCTTG---TC--A-----TTTCATTTATTA--GCTTGCA
30      40      50      60      70
GTT--GTATTTTATTAAGAAATTTTCTGAAATCTG---CTTCCAAATGT---TAACATTAAA
160      170      180      190      200      210      220
CTTACATATTTAATTAAGAAACGTTT---AGCACTGTACAAATTTATTAATTAAGTGCATTATG
80      90      100      110      120      130      140
TCTGAATCAGAGACTC--TGAATGAAAAAGATTGATCTACAGCACTTACAGGCTCTGAAGCGTGTG
230      240      250      260      270      280      290
AGT--AAT--ATATTCCTCCAGAGTGGATGTGCCCTT--CTC--CCACCACTATATGAAGCAACTAGT--
150      160      170      180      190      200      210
CCACATGGAAGAGTGAAGATGCGCTG--TCAATCTC--CTTGTCTTCACTCCATAGACATTTG--GTTGA
300      310      320      330      340      350
TTAATTTATTTAGTGA--TATACACTGCTGCAACGCTAATTCCTT--CTCCATCCCAATGTGATATGT
220      230      240      250      260      270      280
GACACGAG--GAACACGAG--ATAGAT--ATTGGCCAGAT--GACGGGACGGGAGAGTCAAGC--CGCTT--
360      370      380      390      400      410      420
GTATATGTGTAGTTGTGATGATGATCAATCTACATCAACAGCAAGATGA--AGCTAGGCTGGGCTTTC
290      300      310      320      330      340      350
GCTAAGCGATGACCATG---GAC--AATCCATGAAGGTACATAGATATTAACACAGCACACATGA
430      440      450      460      470      480      490
GGTGA--AATGACTGTGTCTGTGATCAATATGATCTG--ACCTATCCTCGGTGGCAAGACTC---TTC
360      370      380      390      400      410
GAGACGCAAGTGC--CAATGCTTGGCTGGCTTCAAGTCTCAAGCCCAACACAGTCTTAAAGATTAAGCAG
500      510      520      530      540      550      560
GAACGCG--TTCTCTAAGGC---GC-T--GCCACATTTGTGGCTCTTTGCACTTGTTCAAA
420      430      440      450      460      470      480
ATATGAGAAAGAGATGAGATGAGTCAAGCCCAATGGCGGAG
570      580      590      600

```

9. US-09-759-143-916' (1-1302)  
US-09-159-812-10 Sequence 106, Application US/09159812A

Sequence 106, Application US/09159812A  
Patent No. 6613872  
GENERAL INFORMATION:  
Applicant: Xu, Jiangchun  
Applicant: Dillon, Davin C.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF  
FILE REFERENCE: PROSTATE CANCER AND METHODS FOR THEIR USE

FILE REFERENCE: 210121.428C5

CURRENT APPLICATION NUMBER: US/09/159,812A

CURRENT FILING DATE: 1998-09-23

NUMBER OF SEQ ID NOS: 306

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO: 106

LENGTH: 473

TYPE: DNA

ORGANISM: Homo sapien

Initial Score = 90 Optimized Score = 208 Significance = 4.36  
 Residue Identity = 50% Matches = 260 Mismatches = 182  
 Gaps = 77 Conservative Substitutions = 0

```

20 30 40 50 60 70 80
GCATGTAAATGAAAGTAATAAATCCTCAACCAACCACTAGCAGGGATTTAATATATATGAG-CGA
|||||
90 100 110 120 130 140 150
GAAACAAAGAGAAATATATATGAAATAAGATGATCCCAACAGTTTCAATTTGAGATCTG--A
|||||
G-TTCTATTTTATTA--ATTAAAGCTTGG---TC--A-----TTCAATTATTA--GCTCTGCA
30 40 50 60 70
160 170 180 190 200 210 220
GTT--GTAATTTTATTAAGAAATTTTCTGAAATCTGT---CTTCCAAATGT---TAACATTAA
|||||
CTTACATATTTAAATTAAGAAAGCTTTT---AGCACTGTACATTTTAAATGAGAGTCCCATATG
80 90 100 110 120 130 140
230 240 250 260 270 280 290
TCGATACAGAGACTC--TGATGAAAGAAAGTTGATGACACTGACCTAGGCTGGAAGCGTGTGG
|||||
AGT-AAT-ATATCTCTCAAGAGTGTGTCCTT-CTC-CCACCACTAATGAAAGCAATTAATG--
150 160 170 180 190 200 210
300 310 320 330 340 350
CCACATGAAAGAGTGAAGATGCGCTG--TCGATCTC-CTTGTCTTCACTCAATGAAATTTG--GATTGA
|||||
TTAATTTTATTAAGTA--TATACACTGTGCAAGCTAATTCCTT-CTCCATCCCATGTGATTTGT
220 230 240 250 260 270 280
360 370 380 390 400 410 420
GCACAGAG--GAACCAAG--ATTAGAT-ATTGGCCAGAT--GACGGGCAAGCGAGGTCAAGC--CGCTT--
|||||
GTAATGTGTGAGTGTGATGATCATCAATCTCAATCAACAGCAATGTA--AGCTAGGCTGGGCTTTC
290 300 310 320 330 340 350
430 440 450 460 470 480 490
GCTAAACGATGACCAATG--GAC--AATCCAAATGAAGTACATGAAATTAAGAACAGCAGACATGA
|||||
GGTGAA--AATAGACTGTGTCTGTCAATCAATGATCTG--ACCTATCTCTCGTGGCAAGATCTC--TTC
360 370 380 390 400 410
500 510 520 530 540 550 560
GAGACGCAAGTGC--CAATGCTTGGCTGGCTTCAAGTCAAGCCCAACAGTCTTAAGAAATGAACAG
|||||
GAACCGC--TTCTCAAGGC---GC-T--GCCACATTTGTGAGCTCTTTGCACTTGTTCATAAA
420 430 440 450 460 470 X
570 580 590 600
ATATGAGAAAGAGATGAGATGATGATCCAGGCCAATGGCGGAG

```

10. US-09-759-143-916' (1-1302)

US-09-232-149A-1 Sequence 106, Application US/09232149A

Sequence 106, Application US/09232149A

Patent No. 6465611

GENERAL INFORMATION:

APPLICANT: Xu, Jiaangchun

APPLICANT: Dillon, Davin C.

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE

TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE

FILE REFERENCE: 210121.427C6

CURRENT APPLICATION NUMBER: US/09/232,149A

CURRENT FILING DATE: 1999-01-15

NUMBER OF SEQ ID NOS: 338

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO: 106

LENGTH: 473

TYPE: DNA

ORGANISM: Homo sapien

Initial Score = 90 Optimized Score = 208 Significance = 4.36  
 Residue Identity = 50% Matches = 260 Mismatches = 182  
 Gaps = 77 Conservative Substitutions = 0

```

20 30 40 50 60 70 80
GCATGTAAATGAAAGTAATAAATCCTCAACCAACCACTAGCAGGGATTTAATATATATGAG-CGA
|||||
90 100 110 120 130 140 150
GAAACAAAGAGAAATATATATGAAATAAGATGATCCCAACAGTTTCAATTTGAGATCTG--A
|||||
G-TTCTATTTTATTA--ATTAAAGCTTGG---TC--A-----TTCAATTATTA--GCTCTGCA
30 40 50 60 70
160 170 180 190 200 210 220
GTT--GTAATTTTATTAAGAAATTTTCTGAAATCTGT---CTTCCAAATGT---TAACATTAA
|||||
CTTACATATTTAAATTAAGAAAGCTTTT---AGCACTGTACATTTTAAATGAGAGTCCCATATG
80 90 100 110 120 130 140
230 240 250 260 270 280 290
TCGATACAGAGACTC--TGATGAAAGAAAGTTGATGACACTGACCTAGGCTGGAAGCGTGTGG
|||||
AGT-AAT-ATATCTCTCAAGAGTGTGTCCTT-CTC-CCACCACTAATGAAAGCAATTAATG--
150 160 170 180 190 200 210
300 310 320 330 340 350
CCACATGAAAGAGTGAAGATGCGCTG--TCGATCTC-CTTGTCTTCACTCAATGAAATTTG--GATTGA
|||||
TTAATTTTATTAAGTA--TATACACTGTGCAAGCTAATTCCTT-CTCCATCCCATGTGATTTGT
220 230 240 250 260 270 280
360 370 380 390 400 410 420
GCACAGAG--GAACCAAG--ATTAGAT-ATTGGCCAGAT--GACGGGCAAGCGAGGTCAAGC--CGCTT--
|||||
GTAATGTGTGAGTGTGATGATGATCATCAATCTCAATCAACAGCAATGTA--AGCTAGGCTGGGCTTTC
290 300 310 320 330 340 350
430 440 450 460 470 480 490
GCTAAACGATGACCAATG--GAC--AATCCAAATGAAGTACATGAAATTAAGAACAGCAGACATGA
|||||
GGTGAA--AATAGACTGTGTCTGTCAATCAATGATCTG--ACCTATCTCTCGTGGCAAGATCTC--TTC
360 370 380 390 400 410
500 510 520 530 540 550 560
GAGACGCAAGTGC--CAATGCTTGGCTGGCTTCAAGTCAAGCCCAACAGTCTTAAGAAATGAACAG
|||||
GAACCGC--TTCTCAAGGC---GC-T--GCCACATTTGTGAGCTCTTTGCACTTGTTCATAAA
420 430 440 450 460 470 X
570 580 590 600
ATATGAGAAAGAGATGAGATGATGATCCAGGCCAATGGCGGAG

```

11. US-09-759-143-916' (1-1302)

US-09-352-616A-1 Sequence 106, Application US/09352616A

Sequence 106, Application US/09352616A

Patent No. 6395278

GENERAL INFORMATION:

APPLICANT: Dillon, Davin C.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang, Yuqi

APPLICANT: Xu, Jiangchun

APPLICANT: Mitcham, Jennifer Lynn

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

FILE REFERENCE: 210121.42768

CURRENT APPLICATION NUMBER: US/09/352,616A

CURRENT FILING DATE: 1999-07-13

NUMBER OF SEQ ID NOS: 472

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 106

LENGTH: 473

TYPE: DNA

ORGANISM: Homo sapien

Initial Score = 90 Optimized Score = 208 Significance = 4.36  
Residue Identity = 50% Matches = 260 Mismatches = 182  
Gaps = 77 Conservative Substitutions = 0

GCATGTAAATGAAAAGTAAATACCTCCACCAACCACTAGTCAGGATATTAATATATATAG-CMA  
X  
TTTTTTTTTTTTTTTATGCA  
X  
10 20

90 100 110 120 130 140 150  
GAAACCAAGAAATATATTTGAAAAATGAGATTCCCAACAGTTTCAATTGAGAGATCTG--A  
G-TTCTATTTTATTA--ATTAAGCTTG---TC--A-----TTTCATTATTA--GCTCGCA  
30 40 50 60 70

160 170 180 190 200 210 220  
GTT--GTAATTTTATTAAGAAATTTTCTGTAATCTG--CTTCCAAATGT---TAACATTAA  
CTTACATTTTAAATTAAGAAACGTTT---AGCAACTGTACATTTAAATGTAAGTGCATTATG  
80 90 100 110 120 130 140

230 240 250 260 270 280 290  
TGTGATCAGAGACTC--TGAAATGAAAAGTAAATCTGACCTGAGGCTCTGAGGCTGTGG  
AGT-AAT-ATATCTCTCAAGAGTGAATGTCTCTT-CTC-CAACCACTAAATGAACAGCAATTAGT--  
150 160 170 180 190 200 210

300 310 320 330 340 350  
CCACATGAAAAGTGAAGATGCGCTG--TGAAATCTC-CTTGTCTTCACTCCATAGACAAATG--GGTTGA  
TTAATTTTATTAAGTA--TAACTGCTCTCAACGCTAATCTCTT-CTCATCCCACTGATATATGT  
220 230 240 250 260 270 280

360 370 380 390 400 410 420  
GCACAGAG--GAACACAG--ATAGAT-ATTGGCCAAGAT-GACGGGAGGAGGAGTCAAGC--GGCTT--  
GTAAATGTGAGTGTGAATGATCAATCTCAATCAAGCAAGATGA-ACCTAGCTGGGCTTTC  
290 300 310 320 330 340 350

430 440 450 460 470 480 490  
GCTAAAGATGACCAATG--GAC--AATCCATGAAGGTATCATGATATTAAGACAGACACATGA  
GGTGA--AATAGACTGTGTCTGTCAATCAATGATCTG-ACCTATCTCGGTGACAGAACTC---TTC  
360 370 380 390 400 410

500 510 520 530 540 550 560  
GAGACGAGAGTGC--CAATGCTTGGCTTCAAGCTTCAAGCCCAACACAGCTTAAATTAAGAGAG  
GAACGCG--TTCCCTCAAGGC---GC-T--GCCACATTTGTGGCTCTTGGCACTTGTTCAAA  
420 430 440 450 460 470 X  
570 580 590 600

ATATGACAGAGATGAAAGTAACTCCACGCAATGCGGAG

12. US-09-759-143-916' (1-1302)

US-09-439-313-10 Sequence 106, Application US/09439313

Sequence 106, Application US/09439313

Patent No. 6329505

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang Yuqi

APPLICANT: Reed, Steven G.

APPLICANT: Kalos, Michael

APPLICANT: Fanger, Gary

APPLICANT: Retter, Mark

APPLICANT: Solk, John

APPLICANT: Day, Craig

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

FILE REFERENCE: 210121.42769

CURRENT APPLICATION NUMBER: US/09/439,313

CURRENT FILING DATE: 1999-11-12

NUMBER OF SEQ ID NOS: 575

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 106

LENGTH: 473

TYPE: DNA

ORGANISM: Homo sapien

Initial Score = 90 Optimized Score = 208 Significance = 4.36  
Residue Identity = 50% Matches = 260 Mismatches = 182  
Gaps = 77 Conservative Substitutions = 0

GCATGTAAATGAAAAGTAAATACCTCCACCAACCACTAGTCAGGATATTAATATATATAG-CMA  
X  
TTTTTTTTTTTTTTTATGCA  
X  
10 20

90 100 110 120 130 140 150  
GAAACCAAGAAATATATTTGAAAAATGAGATTCCCAACAGTTTCAATTGAGAGATCTG--A  
G-TTCTATTTTATTA--ATTAAGCTTG---TC--A-----TTTCATTATTA--GCTCGCA  
30 40 50 60 70

160 170 180 190 200 210 220  
GTT--GTAATTTTATTAAGAAATTTTCTGTAATCTG--CTTCCAAATGT---TAACATTAA  
CTTACATTTTAAATTAAGAAACGTTT---AGCAACTGTACATTTAAATGTAAGTGCATTATG  
80 90 100 110 120 130 140

230 240 250 260 270 280 290  
TGTGATCAGAGACTC--TGAAATGAAAAGTAAATCTGACCTGAGGCTCTGAGGCTGTGG  
AGT-AAT-ATATCTCTCAAGAGTGAATGTCTCTT-CTC-CAACCACTAAATGAACAGCAATTAGT--  
150 160 170 180 190 200 210

300 310 320 330 340 350  
CCACATGAAAAGTGAAGATGCGCTG--TGAAATCTC-CTTGTCTTCACTCCATAGACAAATG--GGTTGA  
TTAATTTTATTAAGTA--TAACTGCTCTCAACGCTAATCTCTT-CTCATCCCACTGATATATGT  
220 230 240 250 260 270 280

360 370 380 390 400 410 420  
GCACAGAG--GAACACAG--ATAGAT-ATTGGCCAAGAT-GACGGGAGGAGGAGTCAAGC--GGCTT--  
GTAAATGTGAGTGTGAATGATCAATCTCAATCAAGCAAGATGA-ACCTAGCTGGGCTTTC  
290 300 310 320 330 340 350  
430 440 450 460 470 480 490

GCTAAGCGATGACCATG---GAC--AATCCATGAAGGTACATAGATATGACACACACATGA  
 GGTGA--AATGACTGTGTCTGTCTGATCAATATGATCTG-ACTTATCTCGGTGCAAGACTC--TTC  
 360 370 380 390 400 410  
 500 510 520 530 540 550 X 560  
 GAGACGAGAGTGC-CAATAGCTGTGGCTGGCTTCAAGTCAAGCCCAACAGTCTTAAGATTAAGAG  
 GAACCGC--TTCCCTCAAGGC---GC-T--GCCACATTTGTGGCTTTTGCACTGTGTTTCAAA  
 420 430 440 450 460 470 X  
 570 580 590 600  
 ATATGAGAAGAGATGAGAAGTGAAGTCCAGGCCCAATGCGGAG

13. US-09-759-143-916' (1-1302)  
 US-09-759-143-916' (1-1302)  
 US-09-759-143-916' (1-1302)  
 US-09-759-143-916' (1-1302)

Sequence 106, Application US/09030607  
 Patent No. 6262245

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillion, Davin C.  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO  
 NUMBER OF SEQUENCES: 224  
 CORRESPONDENCE ADDRESS:  
 ADDRESSES: SEED and BERRY LLP  
 STREET: 6300 Columbia Center, 701 Fifth Avenue  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA

ZIP: 98104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/030,607  
 FILING DATE: 25-FEB-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:  
 NAME: Maki, David J.  
 REGISTRATION NUMBER: 31,392  
 REFERENCE/DOCKET NUMBER: 210121.427C3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 622-4900  
 TELEFAX: (206) 682-6031  
 INFORMATION FOR SEQ ID NO: 106:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 473 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 ORIGINAL SOURCE:

ORGANISM: Homo sapiens

Initial Score = 90 Optimized Score = 208 Significance = 4.36  
 Residue Identity = 50% Matches = 260 Mismatches = 182  
 Gaps = 77 Conservative Substitutions = 0

GCATGCTAATATGAAGTATATACCTCAACCAACCACTAGTCAAGGTATTAATTAATTAATGAG-CAA  
 20 30 40 50 60 70 80  
 GAAACCAAGAAATATATATATGAAATATGAGATTCCTCCCAACCAAGTTTATATTTGAAGATCTG-A  
 90 100 110 120 130 140 150  
 G-TTCTATTATTATTAATA-ATTAAAGTCTTGG---TC--A---TTTCAATTATTA--GCTTCGCAAA  
 30 40 50 60 70

160 170 180 190 200 210 220  
 GTT--GTAATTTTATTAAGAAATTTTCTGTGAATCTGT---CTTCCAAATGT---TAACATTTAAA  
 CTTACATATTTTAAATTAAGAAACGTTT---AGCAACTGTACAAATTAATTAATTAAGTGCATATTTG  
 80 90 100 110 120 130 140  
 230 240 250 260 270 280 290  
 TTGTATCTAGAGACTC--TGATGGAAGAAAGTTTGAATCACTGACACCTAGGAGCTTGAAGGCTGTGTG  
 AGT-AAT-ATATTCCTCCCAAGAGTGAATGTGCTT-CTC-CCACCACTAATGAACAGCAATAGT--  
 150 160 170 180 190 200 210  
 300 310 320 330 340 350  
 CCACATGGAAGTGAAGAGATGCGCTT-TGAAATCTC-CTTTGTCTTCACTCAATAGCAATTTG-GATTGA  
 TTAATTTATTAATGAG--TATACACTGTGCAACGCTAATTTCTT--CTCATCCCATGTGATATTTGT  
 220 230 240 250 260 270 280  
 360 370 380 390 400 410 420  
 GCACAGAG-GAACCAAGG-ATAGAT-ATTGGCCAGAT-GACGGGAGGGAGAGTCAAGC--CGTT--  
 GTATATGTGAGTGTGTGATGATGATCAATCTACATCAACAGCAAGTGA-AGCTAGGCTGGGCTTTC  
 290 300 310 320 330 340 350  
 430 440 450 460 470 480 490  
 GCTAAGCGATGACCATG---GAC--AATCCATGAAGGTACATAGATATGACACACACACATGA  
 GGTGA--AATGACTGTGTCTGTCTGATCAATATGATCTG-ACTTATCTCGGTGCAAGACTC--TTC  
 360 370 380 390 400 410  
 500 510 520 530 540 550 X 560  
 GAGACGAGAGTGC-CAATAGCTGTGGCTGGCTTCAAGTCAAGCCCAACAGTCTTAAGATTAAGAG  
 GAACCGC--TTCCCTCAAGGC---GC-T--GCCACATTTGTGGCTTTTGCACTGTGTTTCAAA  
 420 430 440 450 460 470 X  
 570 580 590 600  
 ATATGAGAAGAGATGAGAAGTGAAGTCCAGGCCCAATGCGGAG

14. US-09-759-143-916' (1-1302)  
 US-09-759-143-916' (1-1302)  
 US-09-759-143-916' (1-1302)  
 US-09-759-143-916' (1-1302)

Sequence 106, Application US/09020956  
 Patent No. 6261562

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillion, Davin C.  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO  
 NUMBER OF SEQUENCES: 178  
 CORRESPONDENCE ADDRESS:  
 ADDRESSES: SEED and BERRY LLP  
 STREET: 6300 Columbia Center, 701 Fifth Avenue  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA

ZIP: 98104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/020,956  
 FILING DATE: 09-FEB-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:  
 NAME: Maki, David J.  
 REGISTRATION NUMBER: 31,392  
 REFERENCE/DOCKET NUMBER: 210121.427C2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 622-4900









LENGTH: 403  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)...(403)  
 OTHER INFORMATION: n = A,T,C or G

Initial Score = 84 Optimized Score = 170 Significance = 3.89  
 Residue Identity = 48% Matches = 211 Mismatches = 162  
 Gaps = 66 Conservative Substitutions = 0

X  
 10 20 30 40 50 60  
 AGTTAGATTGAGTCAGTGG--GTAAA--ATGAAAG--TAATAACCCCAACCAACCACTGTGAGG  
 TGGAGTTTCA-GTGA-AACAAGCATAAAGCTCAGTAGCAATTACTGTCA-CAGAA--AGACA--  
 X 10 20 30 40 50 60  
 70 80 90 100 110 120 130  
 GATATATATAT-ATGTAGC---AAGAAAACAAGAAATAATATGA---AAAAATGAGA---  
 -TTTCA-ACCTGCTCCAGCTGCTGATTAACAATCATGTGTTAGCTTCACTCCAGACAAGACAACC  
 70 80 90 100 110 120 130  
 130 140 150 160 170 180 190  
 -TTCCCAACCAAGTTTCAATTTGAAGATCTGAGTTG-TATT-TTATTAAGAA---ATTTTTTC  
 TTTCCCTTCAATCTTC-TA-GAGAAAACAAGAGTTGTAGTACTTAAATAAGTGAATGATATC  
 140 150 160 170 180 190 200  
 190 200 210 220 230 240 250  
 TGAATCTGCTTCCAAATATTTAACTTAAATCTGAATCAGAGACTCTGTATGAAAAGAGTTGATC  
 TGAATA-TTTTCTTAAAGATTCCTTGAACAC--AT--TAGGA---AAATGG-AGGCTTATGATC  
 210 220 230 240 250 260  
 260 270 280 290 300 310 320 330  
 ACTGACACCTAGAGGCTCTGAAGCTGTGTGTGACACATGAAAAGTGAAGA-TGCGCTGTGAATCTCTT  
 A--GAATGCTA-GAATTAAGCTTGTGTGTGAAGAGGTTTAAAGGAGGAGTGAAGATTA---  
 270 280 290 300 310 320 330  
 340 350 360 370 380 390 400  
 TGCCTTCACTCCATAGACATTTGGGTTGACAGAGACAGACAGATTAATATTGGCCAGATGACGG  
 -GAAGAA--AAAAAGAGAGTGAAGAACTATTATCA--AGCAGGT-GCTATCACTCAATGTAGGCC  
 330 340 350 360 370 380 390  
 410 X 420 430 440 450 460  
 CAGCGAGAGATCAGCGCGCTGTGCTAAAGGATGACCATGACAAATCCAAATGAAGGTAC  
 CTGCTCTTTT  
 400 X

19. US-09-759-143-916' (1-1302)  
 US-09-288-946-14 Sequence 14, Application US/09288946

Sequence 14, Application US/09288946

GENERAL INFORMATION:  
 APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, David C.  
 APPLICANT: Mitcham, Jennifer Lynn  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
 TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE  
 FILE REFERENCE: 210121.427C7  
 CURRENT FILING DATE: 1999-04-09  
 CURRENT APPLICATION NUMBER: US/09/288,946  
 NUMBER OF SEQ ID NOS: 381  
 SOFTWARE: FASTSEQ for Windows Version 3.0  
 SEQ ID NO 14  
 LENGTH: 816  
 TYPE: DNA

ORGANISM: Homo sapien  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)...(816)  
 OTHER INFORMATION: n = A,T,C or G

Initial Score = 80 Optimized Score = 199 Significance = 3.58  
 Residue Identity = 47% Matches = 240 Mismatches = 212  
 Gaps = 58 Conservative Substitutions = 0

780 790 800 810 820 830 840  
 CAGCCACACCAATTGTTGTGACAGAGGACAGTAAGTGTGATGCGATGGCGAGGTGGTGAAGTGGCA  
 TGTGCTTCTCTCAAGTTTCT  
 X 10 20  
 850 860 870 880 890 900 910  
 CATACCGGTCAAAAGCCATGGCCAGCAGCACTGTGATTCATCCAGAT-AAGAGTGTGATGCAAAATC  
 TGTGCTCAT-AACAACCA---CCATAGGTAAAGCGGGGAGGTGTGCTGTAAGGGTTG-TAGTA-CCAGC  
 30 40 50 60 70 80  
 920 930 940 950 960 970 980  
 TGTACAGACAGACATCAACTGATGTAGTGA-TGAATTGA---CCA-GAAGATGGCC---AGCATTTTGG  
 ---GC-GGATGC-TCTCTTGGCAGAGTCTGTGCTGGCAGGTCCAGCAG-TGCCCTTGTCACTGGGG  
 90 100 110 120 130 140 150  
 960 970 980 990 1000 1010 1020 1030 1040 1050  
 GCATGATGAGGTGAGT-GAGATGTCAATGCTTGAAGATGCAAAAGATATATATGATGGCTCATGC  
 AAATGATGCGCTGAGCTGTCAAGCACT-CGTG-TATTTTCAAGGCA-GCCTGCTCGACGCGTGC  
 160 170 180 190 200 210 220  
 1060 1070 1080 1090 1100 1110  
 AGCGCT--GCTCAGTCCGACCATGTAGATGATTTGCAATCTTACGA---CAGCA--ATAGGTAG  
 GGGCAGTTGGGGTGTCTTCACTCCAGCAAACTGTGCAAGGCACTGTGCTGACGGAACCTGGT  
 230 240 250 260 270 280 290  
 1120 1130 1140 1150 1160 1170 1180  
 GAGGACATGAGGAGGACCAAGCACTGAGCTCTTAAACAGGAGGCTTATTAAGATGATATGT  
 GCTGACAGTGGCCAGACACTGATGGGCT-TTCCATGANNAGG-GCCT-ANGGAA-AAATCGCT  
 300 310 320 330 340 350 360  
 1190 1200 1210 1220 1230 1240 1250  
 -AGCACTGATTTCAATGCAATGGGATCCACATCATGAGA-----AG-CTGAATGTGACAGC-AGC  
 GANCCCAANA---NCTGCTCTCAANAGCCCACTTGCACACCCGACAGGCTAGATGAAATCTTCTTC  
 370 380 390 400 410 420 430  
 1260 1270 1280 1290 1300 X  
 AGGAGGTAGAGGCTCAACCTATG--GAAGAA--TGTGTACCCCTTGTGCA  
 CGAAGGTAGTTTTC--TTGT-TGCCAANCCANCCCTTAACAACCTTGCANATGTGCTCGAGGGG  
 440 450 460 470 480 X 490  
 500 510 520 530  
 GTCNTANTACCANCGTGGAAAAGAACCCAGGC

20. US-09-759-143-916' (1-1302)  
 US-08-904-804-14 Sequence 14, Application US/08904804

Sequence 14, Application US/08904804

GENERAL INFORMATION:  
 APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, David C.  
 APPLICANT: Mitcham, Jennifer Lynn  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO  
 NUMBER OF SEQUENCES: 76  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: IBM PC compatible  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/904,804  
 FILING DATE: 01-AUG-1997  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Marki, David J.  
 REGISTRATION NUMBER: 31,392  
 REFERENCE/DOCKET NUMBER: 210121.427C1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 682-6031  
 TELEFAX: (206) 682-6031  
 INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 816 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA

Initial Score = 80 Optimized Score = 199 Significance = 3.58  
 Residue Identity = 47% Matches = 240 Mismatches = 212  
 Gaps = 58 Conservative Substitutions = 0

850 860 870 880 890 900 910 920  
 CATAGCGGTCAAAAGCCATGGCCAGCAGCATGTGATTCATGTCAGAT--AAGAGTGTGATGCAAAACATC  
 TGTGGCCAT-AACAACCA---CCATAGTTAAAGCGGCGCAGTTCGCTGAAGGGGTTG-TAGTA-CCAGC  
 30 40 50 60 70 80  
 920 930 940 950 960 970 980  
 TGTAGCAGACAGCATCAATCTGATGTAGTG-GAATTGAA---CCA-GAAGATGGC---AGCATTTTGG  
 ---GC-GGAGTGC-TTCCTTGAAGAGTCTGTGTGTGAGGTCCAGCAG-TGCCCTTTGTCACTGGGG  
 90 100 110 120 130 140 150  
 990 1000 1010 1020 1030 1040 1050  
 GCATGATGAGGTGAGAT-GAGGATGTCAATGCTGTAAGCAAGCAAAATATATATACATGGGCTCATGC  
 AAATGATGGCCTGAGAGTGTCAAGCACT-CGTG-TATTTTTCACAGCA-GCCTGCTCCGACCGCTGC  
 160 170 180 190 200 210 220  
 1060 1070 1080 1090 1100 1110  
 AGGCTGT--GCTCAGTCCGCAATGTAGTATGATTCACTTACGCA---CAGCA--ATPAGGTAGAG  
 GGGCAGTTGGGGGTGTCTTACACTCCAGGAACTGTCTGATGACGAGCATGTGCTCAGCGGAACTGGGTG  
 230 240 250 260 270 280 290  
 1120 1130 1140 1150 1160 1170 1180  
 GGAACACATGGAGGCAACGAACTGCTCTTCTTAAACAGGAGGCTTATTAGATGAAGTATGT  
 GGCTGAGATGGCCAGACACATGATGGGCTT-TTCCATGNNANG-GCCCT-GNGGGA--AAGTCCCT  
 300 310 320 330 340 350 360  
 1190 1200 1210 1220 1230 1240 1250  
 -AGACATGATTCATTGCCATTTGGATCCACCATCATGAGA-----AG-CTGAATGTGACCAAG-ACC  
 GANCCCAANA--NCTGCTCTCAAAAGCCCACTTGACACCCCGACAGGCTAGAAATCTTCTTCC

370 380 390 400 410 420 430  
 1260 1270 1280 1290 1300 X  
 AGCAGATGAGGCTCAACCGTATG--GAAGAA--TGTGTACCCCTTGTGCA  
 CGAAGTATGTTTC--TTGT-TGCCCAANCCANCCCNTPAAACAACTCTTGCAATCTGCTCCGAGGG  
 440 450 460 470 480 X 490  
 GTCNTANTACANCTGGGAAAAAGAACCCAGGC  
 500 510 520 530

21. US-09-759-143-916' (1-1302)  
 US-08-806-099-14 Sequence 14, Application US/08806099

Sequence 14, Application US/08806099  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jiangchun

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO  
 NUMBER OF SEQUENCES: 40  
 CORRESPONDENCE ADDRESSES:  
 ADDRESSEE: Janet Sleath  
 STREET: 1124 Columbia St, Ste464  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98104

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/806,099  
 FILING DATE: 24-FEB-1997  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Marki, David J.  
 REGISTRATION NUMBER: 31,392  
 REFERENCE/DOCKET NUMBER: 210121.427  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 206-667-5728  
 TELEFAX: 206-667-5728  
 INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 816 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA

Initial Score = 80 Optimized Score = 199 Significance = 3.58  
 Residue Identity = 47% Matches = 240 Mismatches = 212  
 Gaps = 58 Conservative Substitutions = 0

850 860 870 880 890 900 910  
 CATAGCGGTCAAAAGCCATGGCCAGCAGCATGTGATTCATGTCAGAT--AAGAGTGTGATGCAAAACATC  
 TGTGGCCAT-AACAACCA---CCATAGTTAAAGCGGCGCAGTTCGCTGAAGGGGTTG-TAGTA-CCAGC  
 30 40 50 60 70 80  
 920 930 940 950 960 970 980  
 TGTAGCAGACAGCATCAATCTGATGTAGTG-GAATTGAA---CCA-GAAGATGGC---AGCATTTTGG  
 ---GC-GGAGTGC-TTCCTTGAAGAGTCTGTGTGTGAGGTCCAGCAG-TGCCCTTTGTCACTGGGG  
 90 100 110 120 130 140 150  
 780 790 800 810 820 830 840  
 CAGCCACACCAATTTTGTGACACGAGCAGCAAGTAAGTCTGTGCAATGGCGAGGTGTACAGCGCA  
 TGCTCTTCCCTCAAGTGTCTT X 10 20



OTHER INFORMATION: n = A, T, C or G

Initial Score	=	80	Optimized Score	=	199	Significance	=	3.58
Residue Identity	=	47%	Matches	=	240	Mismatches	=	212
Gaps	=	58	Conservative Substitutions	=			=	0

CAGCCACACCAATTTTGTGACACGACGACGAAGTAAGTACTGTGCATCGCTGGTGATCAGACGCC  
780 790 800 810 820 830 840  
TCCTCTCCTCAAAGTGTCT X 10 20

850  
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 370 380 390 400 410 420 430

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GAGGAA-TGTGTACCCCTTTGTCCA  
CGAAAGTACTTTTC-TTGT-TGCCCAACCA  
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25. US-09-759-143-916' (1-1302)

US-09-439-313-14 Sequence 14, Application US/09439313

Sequence 14, Application US/09439313  
Patent No. 6329505  
GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocke, Susan Louise  
APPLICANT: Jiang Yiqui  
APPLICANT: Reed, Steven G.  
APPLICANT: Kalos, Michael  
APPLICANT: Fanger, Gary  
APPLICANT: Retter, Mark

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CATAGCGTCAAAGCCATGGCCAGACGACTGTGATTCATCCAGAT-TAGAGTGTGATGCAACATCT  
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30 40 50 60 70 80

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|||||  
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 370 380 390 400 410 420

1260 1270 1280 1290 1300 X  
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 CAGGAGTAGTNTTTC--TTGT-TGCCAACCACCCCTTAAACAACTGTGATCAATCTGCTCGGGG  
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US-09-759-143-916' (1-1302)

24. US-09-759-143-916', (1-1302)  
US-09-352-616A-1 Sequence 14, Application US/09352616A

Sequence 14, Application US/09352616A  
Patent No. 6395278

APPLICANT: Dillon, Davin C.  
APPLICANT: Harlocker, Susan Louise

APPLICANT: Xu, Jiangchun  
APPLICANT: Mitcham, Jennifer Lynn  
APPLICANT: Mitcham, Jennifer Lynn

TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE  
FILE REFERENCE: 210121.427C8  
CIRCUIT AND LOCATION STRIPS: 110/00/210 0100

CURRENT FILING DATE: 1999-07-13  
NUMBER OF SEQ ID NOS: 472  
SOFTWARE: EaselSeq for Windows Version 3.0

SEQ ID NO 14 -  
LENGTH: 816  
TYPE: DNA

ORGANISM: Homo sapiens  
FEATURE: .  
NAME/REV: 1100 feature

LOCATION: (1) ... (816)

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X      830      840
Significance = 3.58
Mismatches   = 212
              = 0

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970 3AAGATGGCC--AGCATTTTGC 980  
 140 GCAG-TGCCCTTGTCTACTGGGG 150

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 AG-CTGAACGTGACCAGC-ACC  
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29. US-09-759-143-916' (1-1302)

US-09-232-149A-3 sequence 335, Application US/09232149A

Sequence 335, Application US/09232149A

Patent No. 6465611

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer Lynn

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE

FILE REFERENCE: 210121.427C6

CURRENT APPLICATION NUMBER: US/09/232,149A

NUMBER OF SEQ ID NOS: 338

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 335

LENGTH: 2984

TYPE: DNA

ORGANISM: Homo sapien

Initial Score = 80 Optimized Score = 539 Significance = 3.58  
 Residue Identity = 47% Matches = 672 Mismatches = 538  
 Gaps = 199 Conservative Substitutions = 0

GCGCTGAGACGGGCGCCACCTGCGGACAGAAAGCCTCAAGCTCAGAGAGCCCAAGTGAATGATGCTTCAGAAC  
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 AG-ACCTTAATAGACTTAAGGGA-AGCAGCTCTCTCTGAGAGCTGGAGAGCTTGG--AGAAGCACTCTCT-IT  
 90 100 110 120 130 140  
 GCAAGAAAACAAGAGA-ATAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA  
 340 350 360 370 380 390 400  
 GCGGCGCTGAGAGAGAGGAGCTCTCTCCGAGGCTCCGCTCTCGGTATTAACAGCTATCTCTTACACCC  
 150 160 170 180 190 200 210  
 GGAATCTGATGTTATTTTAA--TTAAGAAATTTTCTGAAATCTGCT---TCCAAATGTTAAAT  
 410 420 430 440 450 460 470  
 ATACTGTAATCTGAGGAGCTGAGAGCCAGCTTTTGGT--AATGCCAGCTCAGGTAGACCACTTAATGAT  
 220 230 240 250 260 270 280  
 TAAATCTGAAT---CAGAGACTCTGATGAGAA--AGAATTGATCACTGACACCTGGGCTCTGAAG  
 480 490 500 510 520 530  
 CAAAACCTGCTTCCCGAG-GGTGCTCTTAATGAAGACAGAG--GGCCAGAGTC---AGGAGG--AAG  
 290 300 310 320 330 340 350  
 CGTGTGCGCAGATGAA--AAGTCAGAGATGCGCTGTG--AATCTCTCTTGTCTTCACTTCATAGACAA  
 540 550 560 570 580 590 600  
 AG-GTGTG--CAGCAGCAAGTATGGA--GATTGCG--GTGGAATCTCAGAT--TCTTCACTGAGTACCA  
 360 370 380 390 400 410  
 TTGGTTAGAGCAGAGAGAACAGCAGATG--ATATTGCGAAG--ATGAC---GGGCA--CGGAGAGT  
 610 620 630 640 650 660  
 -----TGA-AACACA-GAGACAG-TAAAGTTTAACTTAAGTATCCCGCAGTGAATCTGAGGT  
 420 430 440 450 460 470 480  
 CACGCGCTTGTCTAAAGCGATGACCATGACAAATCCAAATGAAGGTACATAGA---TATGAACACAGA  
 670 680 690 700 710 720 730  
 CATTTTCTGCTCTG--GCT--ACC-TGTTGAAGGGAGAGAGGAAATCAAGTGTATTTTC--CACCA  
 490 500 510 520 530  
 C-AACATGA-----GAGACCAAGT--GCCAATGCTT--TGCGCTG--GGT-----TCAAGTGA-AGC  
 740 750 760 770 780 790 800  
 CTTTGTATGATTTTGGATGAGC-TGTACACCCAGAGTCTGTTCTGCACTCATCTCTCTGTTGACTGA  
 540 550 560 570 580 590 600  
 CCAACACAGTCT-TAAGA-ATTAACCATATATAGAGAGATGAGATGATGATGATGATGATGATGATGATGAT  
 810 820 830 840 850 860 870  
 ATATCA-ACCTGGAAGGCAACCTTAACAGAGAAAG-GACAACCGAGATGAGATGATGATGATGATGATGAT  
 610 620 630 640 650 660 670  
 GATACGATTAAGGCGCATAGACGAC--ATTAGCC--CGGA-TATCATCAAGCGCAGCTTCAATGATCTTGGT  
 880 890 900 910 920 930  
 TA-AAC-TTAACTCAGAAAGGCTCTCTGCTTGAATATAGCCA-AGGC--TCTCTCTGTC--CCTGTA  
 680 690 700 710 720 730 740

GTAGCAGTAGAATGGAAAAGAT--ATTGAGCG-GCAGAAAGGAGCTGCTTATGATGAACAGAAAGG  
 750 760 770 780 790 800 810  
 AAAGAGAGGCGCAATATAGAGTCTCCAGAGAGAGCGCCCTCAGTCAACATATTTGA---TGGAGCG  
 940 950 960 970 980 990 1000  
 GTGCATCAGTGCAGCCCCCGCAGCAGCAGAGCCACACCAATT-TTGTGACAGAGGAGCATGATGAT  
 1020 1030 1040 1050 1060 1070  
 G-GAGATGGGGT-GGAGAGATGAATAATATCACTTCTTATCTCTTTTAA---AA-TGGT  
 820 830 840 850 860 870 880  
 GTGCATGAGGCGAGTGGGTGACA-GATGG--CCATATAGCGGTCAAAAGCATGCGCAGCAGCTGATTT  
 1080 1090 1100 1110 1120 1130  
 ATGCCA-ACCTAAGT-ATTATACAGGGGCGCCAAATAG---AACAAG--ATG--CA-C-TGCTGTGATTT  
 890 900 910 920 930 940  
 -----CATGCCAGATA---AGGAGTGAATGCAAAACATCTGTATGACAGACATCAACT--GGATGTAGT  
 1140 1150 1160 1170 1180 1190 1200  
 TAAACAGAGCTGTTAATACAGAACTCCACTGCAAGAGGGGGCGCCAGAGA-GAATCTCGCTTGTCCA  
 950 960 970 980 990 1000 1010  
 GGAATTAACAGAAAGATGGCAGCATTTTGGCATGATGAGGTGAGATG-AGGATGCTCAATGCTGAAA  
 1210 1220 1230 1240 1250 1260 1270  
 AGACAGGGGCTTAAGAGGGTCTCCACACTG---CTG-CT-AGGGGCTTGTGATTTTATTTAGTAA  
 1020 1030 1040 1050 1060 1070 1080  
 GCATGCAAGAAATATATATCATGAGGCTCAATGAGGCTGCTCAGTCCAGTCCCAATATGATATGTCAGT  
 1280 1290 1300 1310 1320  
 G--TGAAG-----GCTCTTCTCA-ACCTTTTCCCTGGCTGGAGATTTAG--AT-CAGAGAT  
 1100 1110 1120 1130 1140 1150  
 TACCTAG---CACA-GCAATATAGTAGAGGAGCAGACATGGGAGGCCAACAATGAGCT-----C  
 1330 1340 1350 1360 1370 1380 1390  
 TTCTGAGAGTTTCAAGCTATCA--TATATCTGATCTGT--AAAGG--CAAC-ATATATCTTCTCTCCCTCC  
 1160 1170 1180 1190 1200 1210 1220  
 TTCTTAACAGAGAG--GCTTATTAAGATAGTA-TGTAGCAGTGAATTCATGATGATGATGATGATGATGAT  
 1400 1410 1420 1430 1440 1450 1460  
 TTTTAAATTTTGTCTCTTTTGTGAGCAATTAATCACTTAAGGCTTCATTTAGTCAATTTTAACTT  
 1230 1240 1250 1260 1270 1280 1290  
 ATGAAGAACTGAATCTGTACAGC---ACGAGGAGTAGAGGCTCAACGATAGAGAAATGT---GT  
 1470 1480 1490 1500 1510 1520 1530  
 TGCGTCACTTAATATCTATGCTCTGCTTATTAAGCCGAGATGCTGCTTTTATTTTATTTTTCGGT  
 1290 1300 X  
 GACCC-----CTTTGCCA  
 1540 1550 1560 1570 1580 1590 1600  
 CTCCCAAGCTTATCTGTCTGTAACCTTTTAAAAAGTTGGGGGAGATTCGATGATGCTTAAGAA  
 30. US-09-759-143-916\* (1-11302)  
 US-09-352-616A-3 Sequence 335, Application US/09352616A  
 Sequence 335, Application US/09352616A  
 Patent No. 6395278  
 GENERAL INFORMATION:  
 APPLICANT: Dillon, Devin C.  
 APPLICANT: Harlocker, Susan Louise  
 APPLICANT: Jiang, Yuhui  
 APPLICANT: Xu, Jianshun  
 APPLICANT: Mitcham, Jennifer Lynn  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
 TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE



FILE REFERENCE: 210121.427C8

CURRENT APPLICATION NUMBER: US/09/352,616A

CURRENT FILING DATE: 1999-07-13

NUMBER OF SEQ ID NOS: 472

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 335

LENGTH: 2984

TYPE: DNA

ORGANISM: Homo sapien

Initial Score = 80 Optimized Score = 539 Significance = 3.58

Residue Identity = 47% Matches = 672 Mismatches = 538

Gaps = 199 Conservative Substitutions = 0

```

      20      30      40      50      60      70      80      90      100      110      120      130      140      150
GCCCCTGACGGGCCCCCCTGCGCCAGAACCTCAAGCTCAGCGAGACCCCAAGTGAAGATGTTCCAGAAC
200      210      220      230      240      250      260      270      280      290      300      310      320      330
TGCATGTAAATGAAAGTAATATACCTCCAAACAC-AACCT---AGTCAGGATATATATATATATGTA
AG-ACGCTTAAGACTAGCCG-AAGCGCTCTCTGAGCTGGAGACTTG-AGAAGCACTCCCT-TT
270      280      290      300      310      320      330
GCAAGAAACAAAGAGAG-ATAATATTTGAAAAAATGAGATTCC---CCAACAG-TTTC-ATATTGAA
GCCGCGCTGAAAGAGAGGCGCTTCTCCCGGCGCTCCGCTCTCCCTGTAACAGCTATCTTACTACCC
340      350      360      370      380      390      400
GGATCTGAGTGTATTTTAA-TTAAGGAAATTTTTCGAAATCTGCT---TCCAAATGTTAAGAT
150      160      170      180      190      200      210      220      230      240      250      260      270      280
ATACTGACTAGCGCTGGCGAGCTGAGCGCCAGCTTTTGGT-AATGCCAGCTCAGGAGCAACATTAATGAT
410      420      430      440      450      460      470
TAAATCTGAAT---CAGAGCACTGATGAAA--AGAAATTGATCATGACCTAGGAGCTCTGAG
220      230      240      250      260      270      280
CAAAAGCTGCTCCCGAG-GGTCTCTATGAAAAGACAG--GGGCCAAGTCT---AGGAGC--AAG
480      490      500      510      520      530
CGTGTGGCCACATGAA--AAGTCAGAGATGCGCTGCG-AATCTCTTTGCTTCTCATGACACAA
290      300      310      320      330      340      350
AG-GTGTG--CACACCAAGCTATTGA--GATTTC-GTGGAAATCTCASAT-TCTTCTGCTGTAGACAA
540      550      560      570      580      590      600
TTGGGTTGACACAGAGGAAACCGACGATAG--ATTATGGCCAG--ATGAC---GGGCA-GCCGAGAGT
360      370      380      390      400      410
-----TGA-AACAAAC-GAGACAG-TGAAGTTTATATCTAAGTCATCTCCCGACGACATGTAAGT
610      620      630      640      650      660
CAGCGCGCTTCTTAAGCCGATGACATGACATTCATGAAAGTACATGAA---TATGACACAGCA
420      430      440      450      460      470      480
CAATTTTTCCTCTG-GCT--ACC-TGTTGAGGGGAGAGGAAATCAATGATATTTTC-CAGCA
670      680      690      700      710      720      730
C-AACATGA-----GAGAGCGAAGT--GCCAATGCT-TGGCTTG-GGCT-----TGAGTGCA-AGC
490      500      510      520      530
CTTTGATGATTTTGGATGAGC-TGACACCCCAAGATCTGTTCGCACTCCATCCCTCTGTGTCACTGA
740      750      760      770      780      790      800
540      550      560      570      580      590      600
CCAAACAGCTCT-TAAGA-ATAAGCAGATATGAGAGGATAGAGATGAGTCCAGCGCATATGGAGAT
ATATCA-ACCTCTAAGAGCAACCTTACAGGAGAAAG-GACAAACGAGATGAGGTGACCAACTGA-AT
810      820      830      840      850      860      870

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610      620      630      640      650      660      670
GATGAGCATTAAGGCCCATTAAGCGAC--ATTGACC-CGGA-TATCATCAAGCGCCAGCTTCATGACATCTGGT
TA-AAC-TTAAATGCCAAGAGCCCTCTGTGGCTTGAATATGAGCA-AGGC--TCTCTCTC--CCTGTA
880      890      900      910      920      930
GTAGGAGTGAAGATGGAAGAT--ATTGAGCG-GCAGAGGCGACAGCTCTGATGTAAGACAGAGAGG
680      690      700      710      720      730      740
AAAGAGAGGCGCAATTAAGAGAGCTCTCAAGACAGCCCTCATGCTCAGCAATATTTGCA---TGAGAGGG
940      950      960      970      980      990      1000
GTGCCATCATGTGAGCCCGCCCGACACAGCCACACCAATT-TTGCTGACAGAGCAAGCTTAAGTACT
750      760      770      780      790      800      810
G-GAGATGGGTG-GGAGAGATGAATAATCAGCTTTCTTATCTCTTTTATCTCTTTA--AA-TGGT
1010      1020      1030      1040      1050      1060      1070
GTGGCATGGCGCATGGGTGACCA-GATTGG-CCACATAGCGGTCAAAAGCCATGGCCAGACACTGTGATT
820      830      840      850      860      870      880
ATGCCA-ACTTAAGT-ATTACAGAGGTGGCCCAATAG---AACAAAG-ATG--CA-C-TCGCTGTATT
1080      1090      1100      1110      1120      1130
-----CGATCCAGAT--AGAGTGTGATGGCAATCTGTAGACAGAACATCAAACT-AGATGTAGT
890      900      910      920      930      940
TAAAGAACTGTATTAACAGAACTCCACTGCAAGAGGGGGCGCGCCAGGA-GAATCTCCGCTTGCCA
1140      1150      1160      1170      1180      1190      1200
GGAATTGAACGAGAGATGGCCAGCATTTTGGCATGTGATGAGTGGAGATG-AGATGTCAATCTCTGAA
950      960      970      980      990      1000      1010
AGCAGGGGCTTAAGAGAGGTCCACACTG---CTG-CT-AGGGGCTGTGCAATTTTATATAGTAGAA
1210      1220      1230      1240      1250      1260      1270
GATGCGAAGAAATATATACATGGGCTATGAGGCTGTGCTGCTCCGCAATGTGATGATGTACACT
1020      1030      1040      1050      1060      1070      1080      1090
G-TGGAGAG-----GCTCTTTCTTA-ACCTTTTCCCTTGCGCTGAGAAATTGA--AT-CAGAGAT
1280      1290      1300      1310      1320
TACTTAG---CACA-GCAATAGGTAGAGGAGCAATAGGAGCCACCAAGTCTGAGCCT-----C
1100      1110      1120      1130      1140      1150
TTCTTAACCAAGGAG-GCCTATTAGATGAAGTA-TGTAGCACTGATATCTGCAATGTGATGACACATC
1330      1340      1350      1360      1370      1380      1390
TTTAAATTTTGTGTCTCTTCTTGTGACCAATTACTCACTAAAGGCTTCAATTTTATGTCGATTTTATGTC
1400      1410      1420      1430      1440      1450
ATGAAGAAGCTGAATGTGACAGC---ACCAGCAGGTGAGGCTCAACCGTATGAGAAAGATG-----GT
1230      1240      1250      1260      1270      1280
TGGCTGACCTTAACCTATAGCCTGCTTATTAAGCCGAGATCTGTTTCTTTTCTTTTCTTTTCTGCT
1470      1480      1490      1500      1510      1520      1530
1290      1300      1310
GACCCC-----CTTGTCCA
1540      1550      1560      1570      1580      1590      1600
CTCCCCCAAGCTTATCTGTCTGTGACTTTTAAAGTTTGGGGGAGATTTGAAATGGCTTAAAGAA

```

31. US-09-759-143-916' (1-1302)

US-09-439-313-33 Sequence 335, Application US/09439313

Sequence 335, Application US/09439313

Patent No. 6329505

```

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang Yugu
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1989-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 335
LENGTH: 2984

```

Initial Score	=	80	Optimized Score	=	539	Significance	=	3.58
Residue Identity	=	47%	Matches	=	672	Mismatches	=	538
Gaps	=	199	Conservative Substitutions	=			=	0

[illegible][illegible]



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520      530      540      550      560      570      580      590
TGGGCTTCACGTCAG-----CCCAACACAGTCTTAAGAAATAGCATATGAG--AAAGAGATGAGAA
TGGAAATTCATTGTGTGGGGGCTCTCACCCCTCTCTCTGAGCTCCAGCTTGTGTGCTGTAG--
20      30      40      50      60      70      80
X
ACTAGT-CCA-GTG---TGG--
10
520      530      540      550      560      570      580      590
GTGAGTCCA-GGCCAATGGCGGATGATGACGATPACGATPACGACATTGACCCGATATACAG
--GAGCCATGGCCCC--GC--ATCTGAGTACCCCTCTCTCTCTGCTGCGC---CAACC---TA---GCTGTG
90      100      110      120      130      140
GCCAGCTTCATGACATCTGTGTGTAGGAGTGAAGAAAGATATGAGAGGCA---GAAGGGCAG-
660      670      680      690      700      710      720
GCCAGCTTCATGACATCTGTGTGTAGGAGTGAAGAAAGATATGAGAGGCA---GAAGGGCAG-
GCC--CT-----GGCCTGGAGCCCCCAGAGGAGG--ATAGAGTA--ATCCCGG-GTGGCATCTATAACGACA
150      160      170      180      190      200
CTGCTTGTATGAGACAGAGAGGGGTG--CCATCAGTGCAGCCCCCGC-ACCACAGACAGACCAATTTT
730      740      750      760      770      780
CCTCATGATG--AGTGGGTACAGCGGCTTCACTTC--GCCATCAGGAGATATACAGGCCACCAAGAT
210      220      230      240      250      260      270
GTTGAC-AC-GA-GGCAAC-GTAACTACTGTG--GCATGGC--GCAG-----TGGTGACAG-ATGGCCACATA
790      800      810      820      830      840
GACTACTACAGAGCTCCGCTGGGTACTAAGAGCAGGCAACAGACCGTGGGGGGGTGAATCTCTTC
280      290      300      310      320      330      340
850      860      870      880      890      900      910
GGGCTCAAAAGCCATGGCCAGACACTGTGATTTCCA--TGCAGATPACGAGTGTGCAAAACATCTGT
GACGT--AGAG--GTGGGCGCAACCA-TATG--TACCAAGTCCCGCCCA--ACT---TGG---ACACCTGT
350      360      370      380      390      400
920      930      940      950      960      970      980
AGCAACACAGCTCAAACTGATGTGTAAGTGA---TTGAAC-CAGAAGATGGCCACGATTTGGGCAATGG
410      420      430      440      450      460      470
-GCTTCCATGAAACAGCAAGACTGCAAGAAACAGATGTGCTTTCAGATCTAAGAGTT--CCCTGG
480      490      500      510      520      530
990      1000      1010      1020      1030      1040      1050
ATGAGTGGAGATGAGATGCAATGCTGAAAGC---ATGCAAGAAAT-ATAATCATGGGCTCATG-CAG
410      420      430      440      450      460      470
-----GGAAGACGAANGTCCCTGGGTGAATTCAGGTGTCAAGAAATCTTANGAT---CTGTTGCCAG
480      490      500      510      520      530
X 1060      1070      1080      1090      1100
GCTGTGCTCAGTCCGCACATGTAGATGATTTGTCAAGTTACTTACCTAGCACAGCA
GC
X
Sequence 69, Application US/09115453B
Patent No. 6657056
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND
FILE REFERENCE: 210121.427C4
CURRENT APPLICATION NUMBER: US/09/115.453B
NUMBER OF SEQ ID NOS: 228

```

```

SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 69
LENGTH: 536
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1) ... (536)
OTHER INFORMATION: n = A,T,C or G

Initial Score = 77 Optimized Score = 233 Significance = 3.35
Residue Identity = 50% Matches = 300 Mismatches = 196
Gaps = 104 Conservative Substitutions = 0

520      530      540      550      560      570      580
TGGGCTTCACGTCAG-----CCCAACACAGTCTTAAGAAATAGCATATGAG--AAAGAGATGAGAA
TGGAAATTCATTGTGTGGGGGCTCTCACCCCTCTCTCTGAGCTCCAGCTTGTGTGCTGTAG--
20      30      40      50      60      70      80
X
ACTAGT-CCA-GTG---TGG--
10
520      530      540      550      560      570      580
GTGAGTCCA-GGCCAATGGCGGATGATGACGATPACGATPACGACATTGACCCGATATACAG
--GAGCCATGGCCCC--GC--ATCTGAGTACCCCTCTCTCTCTGCTGCGC---CAACC---TA---GCTGTG
90      100      110      120      130      140
GCCAGCTTCATGACATCTGTGTGTAGGAGTGAAGAAAGATATGAGAGGCA---GAAGGGCAG-
660      670      680      690      700      710      720
GCCAGCTTCATGACATCTGTGTGTAGGAGTGAAGAAAGATATGAGAGGCA---GAAGGGCAG-
GCC--CT-----GGCCTGGAGCCCCCAGAGGAGG--ATAGAGTA--ATCCCGG-GTGGCATCTATAACGACA
150      160      170      180      190      200
CTGCTTGTATGAGACAGAGAGGGGTG--CCATCAGTGCAGCCCCCGC-ACCACAGACAGACCAATTTT
730      740      750      760      770      780
CCTCATGATG--AGTGGGTACAGCGGCTTCACTTC--GCCATCAGGAGATATACAGGCCACCAAGAT
210      220      230      240      250      260      270
GTTGAC-AC-GA-GGCAAC-GTAACTACTGTG--GCATGGC--GCAG-----TGGTGACAG-ATGGCCACATA
790      800      810      820      830      840
GACTACTACAGAGCTCCGCTGGGTACTAAGAGCAGGCAACAGACCGTGGGGGGGTGAATCTCTTC
280      290      300      310      320      330      340
850      860      870      880      890      900      910
GGGCTCAAAAGCCATGGCCAGACACTGTGATTTCCA--TGCAGATPACGAGTGTGCAAAACATCTGT
GACGT--AGAG--GTGGGCGCAACCA-TATG--TACCAAGTCCCGCCCA--ACT---TGG---ACACCTGT
350      360      370      380      390      400
920      930      940      950      960      970      980
AGCAACACAGCTCAAACTGATGTGTAAGTGA---TTGAAC-CAGAAGATGGCCACGATTTGGGCAATGG
410      420      430      440      450      460      470
-GCTTCCATGAAACAGCAAGACTGCAAGAAACAGATGTGCTTTCAGATCTAAGAGTT--CCCTGG
480      490      500      510      520      530
990      1000      1010      1020      1030      1040      1050
ATGAGTGGAGATGAGATGCAATGCTGAAAGC---ATGCAAGAAAT-ATAATCATGGGCTCATG-CAG
410      420      430      440      450      460      470
-----GGAAGACGAANGTCCCTGGGTGAATTCAGGTGTCAAGAAATCTTANGAT---CTGTTGCCAG
480      490      500      510      520      530
X 1060      1070      1080      1090      1100
GCTGTGCTCAGTCCGCACATGTAGATGATTTGTCAAGTTACTTACCTAGCACAGCA
GC
X

```



```

      790      800      810      820      830      840
      CCTCATGATG-AGTGGGATGACCGTGGCCCTTACTTC-GCCATTCAGCGATATTAACAGCCACCAAGAT
      210      220      230      240      250      260      270
      GGTGAC-AC-GA-GGCAC-GTAAAGTACTGTG-GCATGGC-GCAG-----TGGGTGACAG-ATGGCCACATA
      GACTATTACAGACGTCGCGGTGGGGGACTTAAGAGCCAGCAACAGCCGTGGGGGGGTGAATTTCTTCTTC
      280      290      300      310      320      330      340
      850      860      870      880      890      900      910
      GCGGTCAAAAGCCATGCGCCAGCAGCACTGTGATTCCA--TGCAGATTAAGATGATGATGCAACATCTGT
      GAGGT--AGAG--GTGGCCGGAACCA-TATG--TACCAAGTCCAGGCCA--ACT--TGG--ACACTGT
      350      360      370      380      390      400
      920      930      940      950      960      970      980
      AGCAGACAGCATCAAACTGGATGTAGTGAAGAA---TTGAAC-CAGAGATGGCCAGCATTTTGGGATG3
      -GCTTCCATGAACAGCCAGAACTGCAGAGAGAAACAGTGTGCTCTTTCGAGATCTAGAAAGTT--CCCTGG
      410      420      430      440      450      460      470
      990      1000      1010      1020      1030      1040      1050
      ATGAGGTGAGATGAGATGTCAATGCTCTGAAGC--ATGCAAGAAAT-ATATACATGGGCTCATG-CAG
      -----GGAGACAGAAAGTCCCTGGGTGAATCCAGGTGCAAGAAATCCTTAGGAT---CTGTGCCAG
      480      490      500      510      520      530
      X 1060      1070      1080      1090      1100
      GCTGTGCTAGTCCGACATATGATGATTTGTCAAGTTACTTACACAGCA
      GC
      X

```

37. US-09-759-143-916' (1-1302)

US-09-352-616A-6 Sequence 69, Application US/09352616A

Sequence 69, Application US/09352616A  
Patent No. 6395278

GENERAL INFORMATION:

APPLICANT: Dillon, Davin C.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang, Yugu

APPLICANT: Xu, Jiangchun

APPLICANT: Mitcham, Jennifer Lynn

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

FILE REFERENCE: 210121.427C8

CURRENT APPLICATION NUMBER: US/09/352,616A

CURRENT FILING DATE: 1999-07-13

NUMBER OF SEQ ID NOS: 472

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 69

LENGTH: 536

TYPE: DNA

ORGANISM: Homo sapien

FEATURE:

NAME/KEY: misc\_feature

LOCATION: (1)...(536)

OTHER INFORMATION: n = A,T,C or G

Initial Score = 77 Optimized Score = 233 Significance = 3.35  
Residue Identity = 50% Matches = 300 Mismatches = 196  
Gaps = 104 Conservative Substitutions = 0

```

      450      460      470      480      490      500      510
      AATCCATGAAGGTACATAGATATGAACACAGCAACACATAGAGAGCCCAAGTCCCAATGCTTGGCC
      ACTAGT-CCA-GTG--TGG--
      X
      520      530      540      550      560      570      580

```

```

      TGGCTTCACTGTCAAG-----CCCAACAGCTTTTAAGATTAACAGATATGAG--AAGGATGAGAA
      TGAATTCATTTGTGTGGGAGGCTCTTCACTCTCCCTCCGACGCTTCCAGCTTGTGCTGTGCTCTGAG--
      20      30      40      50      60      70      80
      590      600      610      620      630      640      650
      GTAGTGTCA-GGCCAATGGCGGAGATATATACATTAAGGCTCATAGACAGACATTGACCCGGATATCATACAG
      --GAGACCATGGCCCA--GC--ATCTGAGTACCCTGTCTGTCTGTGG--CACCC--TA---GCTGTG
      90      100      110      120      130      140
      660      670      680      690      700      710      720
      GCCAGCTTCAATGACATTTTGTGTAGTACAGCTAGAGATGGAAGAAAGATTTAGAGCCGA---GAAGGAG-
      GCC--CT---GGCTGAGGCCCCCAAGAGAGAG-ATAGATAT-ATCCCGG-GTGGCATTTATTAACGAGA
      150      160      170      180      190      200
      730      740      750      760      770      780
      -CTGCTGATGAAGACAGAGAGGGGTG-CCATCAGTGCAGCCCCCGGC-ACCAACAGACCCACCAATTTT
      CCTCATGATG-AGTGGTACAGCGGTGCTTACTTC-GCCATTCAGATATTAACAGCCACCAAGAT
      210      220      230      240      250      260      270
      790      800      810      820      830      840
      GGTGAC-AC-GA-GGCAC-GTAAAGTACTGTG-GCATGGC-GCAG-----TGGGTGACAG-ATGGCCACATA
      GACTACTACAGAGTCCGCTGCGGTGACTTAAGAGCCAGCAACAGCCCTTGGGGGGGTGAATTTCTTTC
      280      290      300      310      320      330      340
      850      860      870      880      890      900      910
      GCGGTCAAAAGCCATGCGCCAGCAGCACTGTGATTCCA--TGCAGATTAAGATGATGATGCAAAACATCTGT
      GAGGT--AGAG--GTGGCCGGAACCA-TATG--TACCAAGTCCAGGCCA--ACT--TGG--ACACTGT
      350      360      370      380      390      400
      920      930      940      950      960      970      980
      AGCAGACAGCATCAAACTGGATGTAGTGAAGAA---TTGAAC-CAGAGATGGCCAGCATTTTGGGATG
      -GCTTCCATGAACAGCCAGAACTGCAGAGAGAAACAGTGTGCTCTTTCGAGATCTAGAAAGTT--CCCTGG
      410      420      430      440      450      460      470
      990      1000      1010      1020      1030      1040      1050
      ATGAGGTGAGATGAGATGTCAATGCTCTGAAGC--ATGCAAGAAAT-ATATACATGGGCTCATG-CAG
      -----GGAGACAGAAAGTCCCTGGGTGAATCCAGGTGCAAGAAATCCTTAGGAT---CTGTGCCAG
      480      490      500      510      520      530
      X 1060      1070      1080      1090      1100
      GCTGTGCTAGTCCGACATATGATGATTTGTCAAGTTACTTACACAGCA
      GC
      X

```

38. US-09-759-143-916' (1-1302)

US-09-439-313-65 Sequence 69, Application US/09439313

Sequence 69, Application US/09439313  
Patent No. 6329505

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang Yugu

APPLICANT: Reed, Steven G.

APPLICANT: Kalos, Michael

APPLICANT: Fanger, Gary

APPLICANT: Retter, Mark

APPLICANT: Solk, John

APPLICANT: Day, Craig

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER



```

|||
GCC-CT-----GGCTTGGAGCCCGGAGAGAGG-ATAGATTA-ATCCCG-GTGGCATCTATACCGAGA
150      160      170      180      190      200
-CTGCTTGTAGAGAGAGAGGGGTG-CCATCAGTGCAGCCCCCG-ACACAGCAGCAGACCAATTTT
730      740      750      760      770      780
CCTCATGATG-AGTGGGTACAGCGTCCCTTCACTTC-GCCATGCGCAGATATACAGGCCACCAAGAT
210      220      230      240      250      260      270
790      800      810      820      830      840
GGTGA-AC-GA-GGCAC-GTAACTCTGTG-GCATGCG-GCAG-----TGGTGCAGAG-ATGGCCACATA
GACTACTACAGAGCTCGCGGTACTTAAGAGCCAGCAACAGCCGTGGGGGGGATTACTTCTTC
280      290      300      310      320      330      340
850      860      870      880      890      900      910
GGCGTCAAAAGCCATGGCCAGCAGCACTGTGATTCCA--TGCAGATTAAGAGTGGATGGCAACATCTGT
GACGT--AGAG-GTGGGCCGACCA-TATG--TACCAAGTCCAGCCCA-ACT---TGG---ACACCTGT
350      360      370      380      390      400
920      930      940      950      960      970      980
AGAGACAGCATCAAACTGTGATGTATGAA---TTGAAC-CAGAAATGGCCAGCATTTTGGGATGG
410      420      430      440      450      460      470
-----GAGAACAGAAAGTCCCTGGTGAATCCAGGTGTCAGAAATCCTAGAT---CTGTCCAG
480      490      500      510      520      530
990      1000      1010      1020      1030      1040      1050
ATGAGGTGAGAGATGATGATGATGCTGGAAGC---ATGCAGAAAT-ATATACATGGCTCATG-CAG
1060      1070      1080      1090      1100
GCTGTGCTCAGTCCGACACATGATGATTTCAAGTTACTTACACAGCA
|||
GC
X

```

40. US-09-759-143-916' (1-1302)

US-09-020-956-69 Sequence 69, Application US/09020956

Sequence 69, Application US/09020956

Patent No. 6261562

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillin, David C.

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO

NUMBER OF SEQUENCES: 178

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/020,956

FILING DATE: 09-FEB-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.427C2

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031  
 INFORMATION FOR SEQ ID NO: 69:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 536 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens

Initial Score =	77	Optimized Score =	233	Significance =	3.35
Residue Identity =	50%	Matches =	300	Mismatches =	136
Gaps =	104	Conservative Substitutions =	0		

```

450      460      470      480      490      500      510
AATCCATGAAAGGTACATAGAAATATGACACAGCACACATGAGAGAGCCAAATGCTTGGCC
X
ACTAGT-CCA-GTG---TGG--
10
520      530      540      550      560      570      580
TGGCTTACAGTGTCAAG-----CCCAACAGTCTTAAAGATAAGCAGATATGAG--AAGGATGAGAA
TGAATTCATTTGTTGGGGGCTTCAACCTCTCTCGAGCTCCAGCTTGTGTCTGTGCTGTAG--
20      30      40      50      60      70      80
590      600      610      620      630      640      650
GTGATGTCA-GGCCAATGGCGAGATGATGACATTAAGCCCATAGACGACATTGACCCGATATCATCAAG
--GAGACATGGCCCA--GC--ATCTGATACCTCTGCTCTCTGCTGAGC---CAACC---TA---GCTGTG
90      100      110      120      130      140
660      670      680      690      700      710      720
GCCAGCTTCAATGACATCTTGTGTAGCGCATGAGAAATGGAAAGATATTGAGCCGCA--GAGGGCAG-
GCC-CT-----GGCTTGAAGCCCGGAGAGAGG-ATAGATA-ATCCCG-GTGGCATCTATACGCGAGA
150      160      170      180      190      200
730      740      750      760      770      780
-CTGCTGATGAGACAGAGGGGTG-CCATAGTGCAGCCCCCGC-ACCACAGACACACCAATTTT
CCTCATGATG-AGTGGGTACAGCGTCCCTTACTTC-GCCATCAGCAGATATACAGGCCACCAAGAT
210      220      230      240      250      260      270
790      800      810      820      830      840
GGTGA-AC-GA-GGCAC-GTAACTCTGTG-GCATGCG-GCAG-----TGGTGCAGAG-ATGGCCACATA
GACTACTACAGAGCTCGCGGTACTTAAGAGCCAGCAACAGCCGTGGGGGGTGAATTACTTCTTC
280      290      300      310      320      330      340
850      860      870      880      890      900      910
GGCGTCAAAAGCCATGGCCAGCAGCACTGTGATTCCA--TGCAGATTAAGAGTGGATGGCAACATCTGT
GACGT--AGAG-GTGGGCCGACCA-TATG--TACCAAGTCCAGCCCA-Act---TGG---ACACCTGT
350      360      370      380      390      400
920      930      940      950      960      970      980
AGCAGACAGCATCAAACTGTGATGTATGAA---TTGAAC-CAGAAATGGCCAGCATTTTGGGATGG
-GCTTCCATGAAACGCGAGACTGTGAGAAACAGATGTCTCTTTCGAGATCTAGAACTT--CCCTGG
410      420      430      440      450      460      470
990      1000      1010      1020      1030      1040      1050
ATGAGGTGAGAGATGATGATGATGCTGGAAGC---ATGCAGAAAT-ATATACATGGCTCATG-CAG
-----GAGAACAGAAAGTCCCTGGTGAATCCAGGTGTCAGAAATCCTAGAT---CTGTTCAG
480      490      500      510      520      530
X 1060      1070      1080      1090      1100
GCTGTGCTCAGTCCGACACATGATGATTTTCAAGTTACTTACCTTACAGCA
GC

```





APPLICANT: Mitcham, Jennifer Lynn

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

FILE REFERENCE: 210121.427C7

CURRENT FILING DATE: 1999-04-09

NUMBER OF SEQ ID NOS: 381

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 164

LENGTH: 469

TYPE: DNA

ORGANISM: Homo sapien

FEATURE:

NAME/KEY: misc.feature

LOCATION: (1)..(469)

OTHER INFORMATION: n = A,T,C or G

Initial Score = 72 Optimized Score = 209 Significance = 2.96  
Residue Identity = 49% Matches = 253 Mismatches = 197  
Gaps = 63 Conservative Substitutions = 0

680 690 700 710 720 730 740  
GGCAGTAGAATGGGAAAGATATTGGAGCGGCAAGGCGAGCTGCTGATGAAGACAGGAGGGTGCCA

750 760 770 780 790 800 810 820  
TCAGTGCACGCCCCCGACACAGACGACCAATTTGGTGACAGAGGCAACGTA-AGTACTGTGGCA

830 840 850 860 870 880 890  
TGGCGCAGTGGGTGACAGATGGCCACATATGCGGTCAA-AAGCCATGGCCAGAGCATGTGATTC-CATGC

900 910 920 930 940 950  
CAGATTA-----GAGTGTGATGGCAAAATCTGTAGCAGACAGCATCAACTGGATGTGAGTAATGAC

150 160 170 180 190 200 210  
CCATTAATCTGGAGTGGGAGCTGCAACTGT--GAGCATGCA-CTTGCT--ACGAAACGAAATT-----

220 230 240 250 260 270  
-TCATGTTG--CACCTTGTTCTACACCTGTG--GTTATGACAAAGCAACTGCC--AAAGAACTTCTCA

960 970 980 990 1000 1010 1020  
CAGAAATGGCCAGCATTTTGGGCAATGATGAGTGGAGATGAGATGTCAA-TGCCGTAAGCAT-GCAA

1030 1040 1050 1060 1070 1080 1090  
GAA--ATATATACATG--GGCTATGCAAGGCTGTGCTCACTCCGCAATGTAGATGAT-TGTCAAGTAACT

1100 1110 1120 1130 1140 1150 1160  
AGCAGAGCTGCAAGTATATGCTGTGAGAG--AAGAAACCAAAAGAACTGTTCTGTC-AGTGA-AT

1170 1180 1190 1200 1210 1220 1230  
GGCCTATTAGATGAG-TATG--TAGACTGATTCATTGTCATTTG--GATTCACCATCATGAAGAAGCTG

1240 1250 1260 1270  
AACTGTGACGACGACGACGAGTAGAGGCTCAACCG

44. US-09-759-143-916' (1-1302)

Sequence 164, Application US/09115453B

Patent No. 6657056

GENERAL INFORMATION:

APPLICANT: Xu, Jianshun

APPLICANT: Dillon, David C.

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND

FILE REFERENCE: 210121.427C4

CURRENT FILING DATE: 1998-07-14

NUMBER OF SEQ ID NOS: 228

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 164

LENGTH: 469

TYPE: DNA

ORGANISM: Homo sapien

FEATURE:

NAME/KEY: misc.feature

LOCATION: (1)..(469)

OTHER INFORMATION: n = A,T,C or G

Initial Score = 72 Optimized Score = 209 Significance = 2.96  
Residue Identity = 49% Matches = 253 Mismatches = 197  
Gaps = 63 Conservative Substitutions = 0

680 690 700 710 720 730 740  
GGCAGTAGAATGGGAAAGATATTGGAGCGGCAAGGCGAGCTGCTGATGAAGACAGGAGGGTGCCA

750 760 770 780 790 800 810 820  
TCAGTGCACGCCCCCGACACAGACGACCAATTTGGTGACAGAGGCAACGTA-AGTACTGTGGCA

830 840 850 860 870 880 890  
TGGCGCAGTGGGTGACAGATGGCCACATATGCGGTCAA-AAGCCATGGCCAGAGCATGTGATTC-CATGC

900 910 920 930 940 950  
CAGATTA-----GAGTGTGATGGCAAAATCTGTAGCAGACAGCATCAACTGGATGTGAGTAATGAC

150 160 170 180 190 200 210  
CCATTAATCTGGAGTGGGAGCTGCAACTGT--GAGCATGCA-CTTGCT--ACGAAACGAAATT-----

220 230 240 250 260 270  
-TCATGTTG--CACCTTGTTCTACACCTGTG--GTTATGACAAAGCAACTGCC--AAAGAACTTCTCA

960 970 980 990 1000 1010 1020  
CAGAAATGGCCAGCATTTTGGGCAATGATGAGTGGAGATGAGATGTCAA-TGCCGTAAGCAT-GCAA

1030 1040 1050 1060 1070 1080 1090  
GAA--ATATATACATG--GGCTATGCAAGGCTGTGCTCACTCCGCAATGTAGATGAT-TGTCAAGTAACT

1100 1110 1120 1130 1140 1150 1160  
AGCAGAGCTGCAAGTATATGCTGTGAGAG--AAGAAACCAAAAGAACTGTTCTGTC-AGTGA-AT

1170 1180 1190 1200 1210 1220 1230  
GGCCTATTAGATGAG-TATG--TAGACTGATTCATTGTCATTTG--GATTCACCATCATGAAGAAGCTG

1240 1250 1260 1270  
AACTGTGACGACGACGACGAGTAGAGGCTCAACCG

AGTAAGATTGTGTAGCCATGCCTATCAGTAAAGAT---NTTACGCAACACTTT  
 1240 420 430 440 450 460 X  
 AACTGTGACGACGACGAGGTAGAGGCTCAACCG

45. US-09-759-143-916' (1-1302)  
 US-09-159-812-16 Sequence 164, Application US/09159812A

Sequence 164, Application US/09159812A  
 Patent No. 6613872  
 GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Davin C.  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF  
 TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE  
 FILE REFERENCE: 210121.428C5  
 CURRENT APPLICATION NUMBER: US/09/159,812A  
 CURRENT FILING DATE: 1998-09-23  
 NUMBER OF SEQ ID NOS: 306  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 164  
 LENGTH: 469

TYPE: DNA  
 ORGANISM: Homo sapien  
 FEATURE:  
 NAME/KEY: misc.feature  
 LOCATION: (1)...(469)  
 OTHER INFORMATION: n = A,T,C or G

Initial Score = 72 Optimized Score = 209 Significance = 2.96  
 Residue Identity = 4% Matches = 253 Mismatches = 197  
 Gaps = 63 Conservative Substitutions = 0

680 690 700 710 720 730 740  
 GCGAGTGGAGTGGAGAAAGATATTGAGCGGCGAGAGGCGAGCTGTTGATTAAGACAGAGAGGGGTCCCA  
 750 760 770 780 790 800 810 820  
 TCAAGTGAAGCCCCCGACACGACGACGACCAATTTGGTGAACAGAGGAGAGTGA-AGTACTGTGCA  
 CCGGGAGGCTGTG-ATCTTGGC-----CACCC---TTGGTACTTTATGGAATGATCATGCTATTTC  
 30 40 50 60 70 80  
 830 840 850 860 870 880 890  
 TGGCGAGTGGTGAAGATGGCGACATAGCGGTCAA-AGCCATGGCGACGACGACTGTGATTC-CATGC  
 T-ACCTTATAGGG-AGTT--CCA-GGAG-ATTCAACGAGAAATGATGATTCGAAAGGAAACAAACAC  
 90 100 110 120 130 140  
 900 910 920 930 940 950  
 CAGATTA---GGAGTGAATGGCAAAATCTGTAGAGAGACAGACATCAACTGATGTAGTGAATTGAAC  
 CCAATTAACCTGGAGTGGAGACTGACATGCACTGT--GAGACATGCA-CTTGCT--AGGAAACGAAATTT---  
 150 160 170 180 190 200 210  
 960 970 980 990 1000 1010 1020  
 CAGAAGATGGCCGACATTTTGGGAGATGAGATGAGATGTCGA-TGCGTGAAGCAT-GCAAA  
 -TATGTG--CACCCCTGTTCTTACACCTGTG--GGTTATGACAAAGACAAGTGC--AAAGAACTTTCAA  
 220 230 240 250 260 270  
 1030 1040 1050 1060 1070 1080 1090  
 GAA--ATATATACATG-GGCTCATGAGAGGCTGTGCTCAGTCCGACAAATGATGAT-TGTCAATTAACCT  
 GAAGGAGCATGCAATATCTGTGTGAGAG--AAGGACCAAAAGAACTGTTCTGTG-AGTGA-AT  
 280 290 300 310 320 330 340  
 1100 1110 1120 1130 1140 1150 1160  
 AGCAGACG-ATATAG-GTAGAGGAGCAATGGGAGGCAACCAAGAACTGCTCTTTTAAACAGGAGA

GGATATCTTAAGTCTTCTTAGTAGGACCA--GGCTCCGAGGCGGCGCCATCTCTGCGCTTAT  
 350 360 370 380 390 400 410  
 1170 1180 1190 1200 1210 1220 1230  
 GGCCTATTAGATGAAG-TATG--TAGACATGATTCATTCCTTGG-AGATTCACATCATGAGAGCTG  
 ACTCAATGATTTGTGAGCCATGCTTATCAGTAAAGAT---NTTGAAGCAACACTTT  
 420 430 440 450 460 X

46. US-09-759-143-916' (1-1302)  
 US-09-232-149A-1 Sequence 164, Application US/09232149A

Sequence 164, Application US/09232149A  
 Patent No. 6465611  
 GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Davin C.  
 APPLICANT: Mitcham, Jennifer Lynn  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE  
 TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE  
 FILE REFERENCE: 210121.427C6  
 CURRENT APPLICATION NUMBER: US/09/232,149A  
 CURRENT FILING DATE: 1999-01-15  
 NUMBER OF SEQ ID NOS: 338  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 164  
 LENGTH: 469

TYPE: DNA  
 ORGANISM: Homo sapien  
 FEATURE:  
 NAME/KEY: misc.feature  
 LOCATION: (1)...(469)  
 OTHER INFORMATION: n = A,T,C or G

Initial Score = 72 Optimized Score = 209 Significance = 2.96  
 Residue Identity = 4% Matches = 253 Mismatches = 197  
 Gaps = 63 Conservative Substitutions = 0

680 690 700 710 720 730 740  
 GCGAGTGAATGGAGAAAGATATTGAGCGGCGAGAGGCGAGCTGTTGATTAAGACAGAGAGGGGTGCCA  
 750 760 770 780 790 800 810 820  
 TCAAGTGAAGCCCCCGACACGACGACGACCAATTTGGTGAACAGAGGAGAGTGA-AGTACTGTGCA  
 CCGGGAGGCTGTG-ATCTTGGC-----CACCC---TTGGTACTTTATGGAATGATCATGCTATTTC  
 30 40 50 60 70 80  
 830 840 850 860 870 880 890  
 TGGCGAGTGGTGAAGATGGCGACATAGCGGTCAA-AGCCATGGCGACGACGACTGTGATTC-CATGC  
 T-ACCTTATAGGG-AGTT--CCA-GGAG-ATTCAACGAGAAATGATGATTCGAAAGGAAACAAACAC  
 90 100 110 120 130 140  
 900 910 920 930 940 950  
 CAGATTA---GGAGTGAATGGCAAAATCTGTAGAGAGACAGACATCAACTGATGTAGTGAATTGAAC  
 CCAATTAACCTGGAGTGGAGACTGACATGCACTGT--GAGACATGCA-CTTGCT--AGGAAACGAAATTT---  
 150 160 170 180 190 200 210  
 960 970 980 990 1000 1010 1020  
 CAGAAGATGGCCGACATTTTGGGAGATGAGATGAGATGTCGA-TGCGTGAAGCAT-GCAAA  
 -TATGTG--CACCCCTGTTCTTACACCTGTG--GGTTATGACAAAGACAAGTGC--AAAGAACTTTCAA  
 220 230 240 250 260 270



750 760 770 780 790 800 810 820  
 TCAATGACGCCCCCGCACACAGGACCCCAATTTTGTGACAGAGCAAGTA-AGTACTGTGCA  
 CCTGGGCGCGCTTGG-ATCTTTGG-----CACCC-----TTGCTGATTGCAATCATCATCTATTCA  
 30 40 50 60 70 80  
 830 840 850 860 870 880 890  
 TGGGGCACTGGGTGACAGATGCGCCACATAGCGGTCAA-AAGCCATGGCCACAGACTGTGATTC-CATGC  
 T-ACCTATGAGGG--AGTT---CCA-GGAG-ATTCAACAGGAATGATGATCTTCAAGAAACAAACAC  
 90 100 110 120 130 140  
 900 910 920 930 940 950  
 CAGATTA---GGAGTGGATGGCAAAATCTGTGTGACAGACAGATCAAACTGATGTGATGAAATTGAC  
 CCAATTAATCTGGAGTGGACAGTACAACTGT--GAGACATGCA-CTTGCT--ACGAAACAGAAATT-----  
 150 160 170 180 190 200 210  
 960 970 980 990 1000 1010 1020  
 CAGAGATGGCCAGCATTTTGGGATGGATGAGATGAGATGAGATGCAA-TGCCCTGAAGCAT-GCAAA  
 -TCATGTTG--CACCTTGTTCCTACACTGTG--GTTTATGACAAAGACAACTGCC--AAAGATCTTCAA  
 220 230 240 250 260 270  
 1030 1040 1050 1060 1070 1080 1090  
 GAA--ATATATACATG--GGCTCATGACAGGCTGTGCTCCGACACATGATGATGAT-TGTCAAGTTACCT  
 GAAGAGAGACTGCAAGTATCTGTGTGTGAGAG--AAGACCCAAAAGAACTGTCTGTTC-AGTGA-AT  
 280 290 300 310 320 330 340  
 1100 1110 1120 1130 1140 1150 1160  
 AGCCACAGC-AATTAAG-GTAGAGGAGCACAATGGGAGGCCAACAGACTGCTCTTCTTAAACAGGGA  
 GGATTAATTAATGCTCTCTAGTAGGACCA--GGGCTCCAGGCCACGCTCCTCTCTGCTGCTCTAT  
 350 360 370 380 390 400 410  
 1170 1180 1190 1200 1210 1220 1230  
 GGCTATTAGATGAAG-TATG--TAGACTGATTCATGCTCATTTG--GGATCCACCATGATGAGAGACTG  
 AGTAAATATGTTGTAGCCATGCTATCAGTAAAGAT--NTTTAGGCAAAACATTT X  
 420 430 440 450 460  
 1240 1250 1260 1270  
 AACTGTGACCAAGCACAGGACGATGAGGCTCAACCG

49. US-09-759-143-916 (1-1302)

US-09-030-607-16 Sequence 164, Application US/09030607

Sequence 164, Application US/09030607  
 Patent No. 6262245

# GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO

NUMBER OF SEQUENCES: 224

CORRESPONDENCE ADDRESS:

ADDRESSES: SEED AND BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/030,607

FILING DATE: 25-FEB-1998

## CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.427C3

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 164:

SEQUENCE CHARACTERISTICS:

LENGTH: 469 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

Initial Score = 72

Residue Identity = 49%

Gaps = 63

Conservative Substitutions = 209

Significance = 2.96

Mismatches = 197

Matches = 253

Substitutions = 0

Deletions = 0

Insertions = 0

Indels = 0

Frameshifts = 0

Stop Codons = 0

Start Codons = 0

Open Reading Frames = 0

Transmembrane Domains = 0

Signal Peptides = 0

Low Complexity Regions = 0

Repeats = 0

Simple Repeats = 0

Complex Repeats = 0

Microsatellites = 0

Minisatellites = 0

Alu Elements = 0

LINEAGE: Hominidae

Phylogeny: Hominidae

Evolutionary Rate: 0.05

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

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Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

Conservation: 0.95

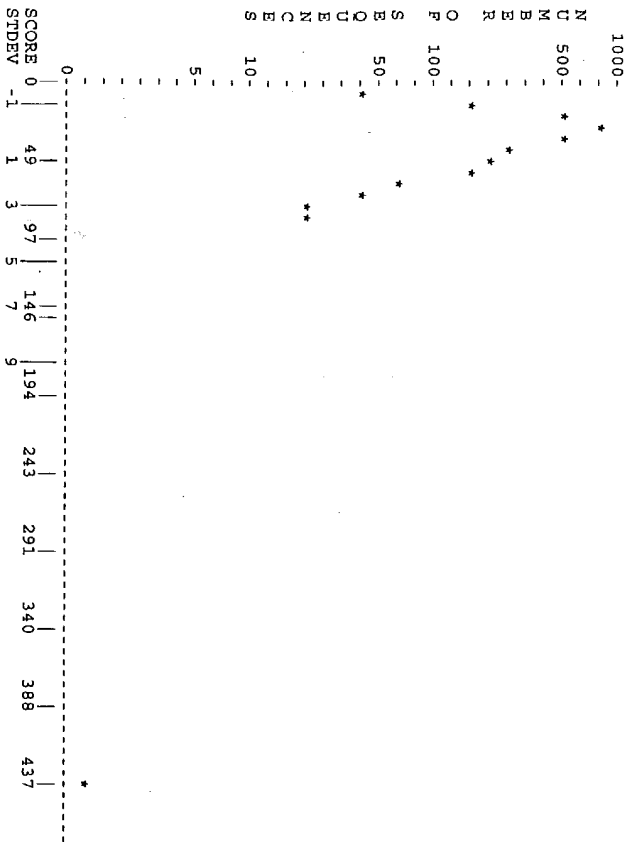
> O <  
O / O IntelliGenetics  
> O <

FastDB - Fast Pairwise Comparison of Sequences  
Release 5.4

Results file us-09-759-143-916.res made by mrhnl on Fri 20 Feb 104 12:31:33 PST.

Query sequence being compared: US-09-759-143-916 (1-1302)  
Number of sequences searched: 2632  
Number of scores above cutoff: 2632

Results of the initial comparison of US-09-759-143-916 (1-1302) with:  
File: cat.seq



# PARAMETERS

Similarity matrix Unitary K-tuple  
Mismatch penalty 1 Joining penalty 4  
Gap penalty 1.00 Window size 30  
Gap size penalty 0.33  
Cutoff score 0  
Randomization group 0

## SEARCH STATISTICS

Scores: Mean Median Standard Deviation  
35 34 15.25

Times: CPU Total Elapsed  
00:00:03.02 00:00:03.00

Number of residues: 1293930  
Number of sequences searched: 2632  
Number of scores above cutoff: 2632

The scores below are sorted by initial score.  
Significance is calculated based on initial score.  
A 100% identical sequence to the query sequence was not found.

The list of best scores is:

Sequence Name	Description	Length	Score	Opt.	Sig.	Frame
1. US-09-439-313-52	Sequence 526, Application 963	437	615	26.36	0	
2. US-09-288-946-44	Sequence 44, Application 852	84	132	3.21	0	
3. US-08-904-804-44	Sequence 44, Application 852	84	132	3.21	0	
4. US-09-115-453-44	Sequence 44, Application 852	84	132	3.21	0	
5. US-09-159-812-44	Sequence 44, Application 852	84	132	3.21	0	
6. US-09-232-149A-4	Sequence 44, Application 852	84	132	3.21	0	
7. US-09-352-616A-4	Sequence 44, Application 852	84	132	3.21	0	
8. US-09-439-313-44	Sequence 44, Application 852	84	132	3.21	0	
9. US-09-030-607-44	Sequence 44, Application 852	84	132	3.21	0	
10. US-09-020-956-44	Sequence 44, Application 852	84	132	3.21	0	
11. US-09-288-946-27	Sequence 274, Application 301	82	139	3.08	0	
12. US-09-159-812-27	Sequence 274, Application 301	82	139	3.08	0	
13. US-09-232-149A-2	Sequence 274, Application 301	82	139	3.08	0	
14. US-09-352-616A-2	Sequence 274, Application 301	82	139	3.08	0	
15. US-09-439-313-27	Sequence 274, Application 301	82	139	3.08	0	
16. US-09-352-616A-8	Sequence 89, Application 463	82	205	3.08	0	
17. US-09-020-956-89	Sequence 89, Application 463	82	205	3.08	0	
18. US-08-904-804-30	Sequence 111, Application 1289	79	327	2.88	0	
19. US-09-288-946-11	Sequence 111, Application 1289	78	457	2.82	0	
20. US-09-115-453-11	Sequence 111, Application 1289	78	457	2.82	0	
21. US-09-159-812-11	Sequence 111, Application 1289	78	457	2.82	0	
22. US-09-232-149A-1	Sequence 111, Application 1289	78	457	2.82	0	
23. US-09-352-616A-1	Sequence 111, Application 1289	78	457	2.82	0	
24. US-09-439-313-11	Sequence 111, Application 1289	78	457	2.82	0	
25. US-09-030-607-11	Sequence 111, Application 1289	78	457	2.82	0	
26. US-09-020-956-11	Sequence 111, Application 1289	78	457	2.82	0	
27. US-09-288-946-30	Sequence 30, Application 787	77	327	2.75	0	
28. US-09-288-946-89	Sequence 89, Application 463	76	205	2.69	0	
29. US-09-115-453-89	Sequence 89, Application 463	76	205	2.69	0	
30. US-09-159-812-89	Sequence 89, Application 463	76	205	2.69	0	
31. US-09-232-149A-8	Sequence 89, Application 463	76	205	2.69	0	
32. US-09-439-313-89	Sequence 89, Application 463	76	205	2.69	0	
33. US-09-030-607-89	Sequence 89, Application 463	76	205	2.69	0	
34. US-09-288-946-57	Sequence 371, Application 1855	76	553	2.69	0	
35. US-09-352-616A-3	Sequence 371, Application 1855	76	553	2.69	0	
36. US-09-439-313-37	Sequence 371, Application 1855	76	553	2.69	0	
37. US-09-288-946-17	Sequence 171, Application 1248	74	329	2.56	0	
38. US-09-159-812-17	Sequence 171, Application 1248	74	329	2.56	0	
39. US-09-232-149A-1	Sequence 171, Application 1248	74	329	2.56	0	
40. US-09-352-616A-1	Sequence 171, Application 1248	74	329	2.56	0	
41. US-09-439-313-17	Sequence 171, Application 1248	74	329	2.56	0	
42. US-09-020-956-17	Sequence 171, Application 1248	74	329	2.56	0	
43. US-09-288-946-12	Sequence 12, Application 751	73	292	2.49	0	
44. US-09-352-616A-12	Sequence 12, Application 751	73	292	2.49	0	
45. US-08-806-099-12	Sequence 12, Application 751	73	292	2.49	0	
46. US-09-159-812-12	Sequence 12, Application 751	73	292	2.49	0	
47. US-09-232-149A-1	Sequence 12, Application 751	73	292	2.49	0	
48. US-09-352-616A-1	Sequence 12, Application 751	73	292	2.49	0	
49. US-09-439-313-12	Sequence 12, Application 751	73	292	2.49	0	
50. US-09-030-607-12	Sequence 12, Application 751	73	292	2.49	0	

1. US-09-759-143-916 (1-1302)  
US-09-439-313-52 Sequence 526, Application US/09439313  
Sequence 526, Application US/09439313  
Patent No. 6329505



Initial Score = 84 Optimized Score = 132 Significance = 3.21  
 Residue Identity = 50% Matches = 158 Mismatches = 118  
 Gaps = 39 Conservative Substitutions = 0

970 980 990 1000 1010 1020 X 1030  
 TGAAGACAAAGAGATTGACAGAGCGATCCTTCGACTTTCCATGTGGCCACACAGCTTCGAGCCCTAGG  
 |||||  
 X 1020  
 ACATTAATATCAGAG-AAAGT  
 |||||  
 X 10 20

1040 1050 1060 1070 1080 1090 1100  
 TGTGAGTATCAAACTCTTTTCCATTGACAGTCTCTGATTCAAT--TTTAATG--TAAATTTTG-G  
 |||||  
 AGCTTTGA--AAATTTACGTCCA---GAGTCTTTGTTTGTGATTAATTTGGTGTGTTTGGTTTG  
 |||||  
 30 40 50 60 70 80

1110 1120 1130 1140 1150 1160  
 AAGACATTTTCAGAAAAAATTTCTTAATAAATAACA-ACTCAG--ATCCTT--CAATAT-GAACT  
 |||||  
 TCCAAAGATTGGCAGCTTCAGTTT--TCATTTCTTCACATCTCGGCAATCTTCCCAATTAATATAC  
 |||||  
 90 100 110 120 130 140 150

1170 1180 1190 1200 1210 1220 1230 1240  
 GGTGGGAATCTCCATTTTTCATATATATTTCTTTGTTTCTTGTCTACATTAATTAATACCC  
 |||||  
 AGCTTTCATTCACACAGCTCCAGA--ATT-TCTCTTTGTAGTAATATCATAGCTCGCTGA-GCTT  
 |||||  
 160 170 180 190 200 210 220

1250 1260 1270 1280 1290  
 TGACAGGTGTGGTTTGAAGGTATTAATCTTT---GAT--TTTA-CCA-TGC-----AGTCCA--AACT  
 |||||  
 TTCAATAGTCAAGCTGCTGTGTTCTTTTACCCATAGCTGAGCACTGCTCTGATTTCAAGAACT  
 |||||  
 230 240 250 260 270 280 290

1300 X  
 AACT  
 |||||  
 GAAAGCCCTCAGATCGCTCTCCCATTTTAATTCCTGGGTTCTGTCTGGG  
 |||||  
 300 X 310 320 330 340 350

3. US-09-759-143-916 (1-1302)  
 US-08-904-804-44 Sequence 44, Application US/08904804

Sequence 44, Application US/08904804  
 GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Davin C.  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO  
 NUMBER OF SEQUENCES: 76  
 CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP  
 STREET: 6300 Columbia Center, 701 Fifth Avenue  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98104

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/904,804  
 FILING DATE: 01-AUG-1997

CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Naki, David J.  
 REGISTRATION NUMBER: 31,392  
 REFERENCE/DOCKET NUMBER: 210121.427C1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 622-4900  
 TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 44:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 852 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens

Initial Score = 84 Optimized Score = 132 Significance = 3.21  
 Residue Identity = 50% Matches = 158 Mismatches = 118  
 Gaps = 39 Conservative Substitutions = 0

970 980 990 1000 1010 1020 X 1030  
 TGAAGACAAAGAGATTGACAGAGCGATCCTTCGACTTTCCATGTGGCCACACAGCTTCGAGCCCTAGG  
 |||||  
 X 1020  
 ACATTAATATCAGAG-AAAGT  
 |||||  
 X 10 20

1040 1050 1060 1070 1080 1090 1100  
 TGTGAGTATCAAACTCTTTTCCATTGACAGTCTCTGATTCAAT--TTTAATG--TAAATTTTG-G  
 |||||  
 AGCTTTGA--AAATTTACGTCCA---GAGTCTTTGTTTGTGATTAATTTGGTGTGTTTGGTTTG  
 |||||  
 30 40 50 60 70 80

1110 1120 1130 1140 1150 1160  
 AAGACATTTTCAGAAAAAATTTCTTAATAAATAACA-ACTCAG--ATCCTT--CAATAT-GAACT  
 |||||  
 TCCAAAGATTGGCAGCTTCAGTTT--TCATTTCTTCACATCTCGGCAATCTTCCCAATTAATATAC  
 |||||  
 90 100 110 120 130 140 150

1170 1180 1190 1200 1210 1220 1230 1240  
 GGTGGGAATCTCCATTTTTCATATATATTTCTTTGTTTCTTGTCTACATTAATTAATACCC  
 |||||  
 AGCTTTCATTCACACAGCTCCAGA--ATT-TCTCTTTGTAGTAATATCATAGCTCGCTGA-GCTT  
 |||||  
 160 170 180 190 200 210 220

1250 1260 1270 1280 1290  
 TGACAGGTGTGGTTTGAAGGTATTAATCTTT---GAT--TTTA-CCA-TGC-----AGTCCA--AACT  
 |||||  
 TTCAATAGTCAAGCTGCTGTGTTCTTTTACCCATAGCTGAGCACTGCTCTGATTTCAAGAACT  
 |||||  
 230 240 250 260 270 280 290

1300 X  
 AACT  
 |||||  
 GAAAGCCCTCAGATCGCTCTCCCATTTTAATTCCTGGGTTCTGTCTGGG  
 |||||  
 300 X 310 320 330 340 350

4. US-09-759-143-916 (1-1302)  
 US-09-115-453-44 Sequence 44, Application US/09115453B

Sequence 44, Application US/09115453B  
 Patent No. 6657056  
 GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Davin C.  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND  
 TITLE OF INVENTION: METHODS FOR THEIR USE  
 FILE REFERENCE: 210121.427C4  
 CURRENT APPLICATION NUMBER: US/09/115,453B  
 CURRENT FILING DATE: 1998-07-14  
 NUMBER OF SEQ ID NOS: 228  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 44

LENGTH: 852  
 TYPE: DNA  
 ORGANISM: Homo sapien  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)...(852)





ACTCTTGA--AAATTACGCA---GGAGTCTTGTCTGATTAATTTGTTGTTGGTTTG  
 30 40 50 60 70 80  
 1110 1120 1130 1140 1150 1160  
 AAGACAGTATTCAGAAAAAATTTCTTAATAAATACA-ATCAG--ATCCTT--CAATAT-GAACT  
 TCCAAAGTATTCAGCTTCAATTT--TCATTTCTTCCATCCGCGCATCTTCCCAATTAATATACC  
 90 100 110 120 130 140 150  
 1170 1180 1190 1200 1210 1220 1230 1240  
 GGTGGGGAATTCATTTTTCATATATTTTCTTCTTCTTCTTCTGACATATATTAATACC  
 ACTCTTCGCAACGCTCCAGA--ATT-TCTCTTGTAGTAATATCTATCTGCTGA-GCTT  
 160 170 180 190 200 210 220  
 1250 1260 1270 1280 1290  
 TGACTAGTGTGTTAGGGTTTACTTTT---CAT--TTTA-CCA-TGC-----ATCCA--AATCT  
 TTCAATAGTCACTGCTGTGTCTTCTTCTTACCCATGAGCGCATCTCTGATTAAGAACT  
 230 240 250 260 270 280 290  
 1300 X  
 AACT  
 GAAGAGCCCTCAGATCGCTCTCCCATTTATATCTGAGTTCTGCGG  
 300 X 310 320 330 340 350

## 7. US-09-759-143-916 (1-1302)

US-09-352-616A-4 Sequence 44, Application US/09352616A

Sequence 44, Application US/09352616A

Patent No. 6395278

GENERAL INFORMATION:

APPLICANT: Dillon, Davin C.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang, Yugu

APPLICANT: Xu, Jianshun

APPLICANT: Mitcham, Jennifer Lynn

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

FILE REFERENCE: 210121.427C8

CURRENT APPLICATION NUMBER: US/09/352,616A

CURRENT FILING DATE: 1999-07-13

NUMBER OF SEQ ID NOS: 472

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 44

LENGTH: 852

TYPE: DNA

ORGANISM: Homo sapien

FEATURE:

NAME/KEY: misc\_feature

LOCATION: (1)...(852)

OTHER INFORMATION: n = A,T,C or G

Initial Score = 84 Optimized Score = 132 Significance = 3.21

Residue Identity = 50% Matches = 158 Mismatches = 118

Gaps = 39 Conservative Substitutions = 0

790 980 990 1000 1010 1020 1030  
 TGAAGCAAGAGAGATTCGACAGCGCATCTTCCATTTGAGCCACAGAGCCCTGAG  
 X AATTAATATCAGAG-AAAAGT  
 X 10 20

1040 1050 1060 1070 1080 1090 1100  
 TGTAGTATCAAACTTCTTCCATTCAGAGTCTCTGATTCAGAT--TTTAATG--TAAATTTG-G  
 AGCTTTGA--AAATTTACGCA--GAGTCTTGTCTGATTAATTTGAGTGTGTTGTTG  
 30 40 50 60 70 80

1110 1120 1130 1140 1150 1160  
 AAGACAGTATTCAGAAAAAATTTCTTAATAAATACA-ATCAG--ATCCTT--CAATAT-GAACT

TCCAAAGTATTCAGAGTTTCAATTT--TCATTTCTTCCATCCGCGCATCTTCCCAATTAATATACC  
 90 100 110 120 130 140 150  
 1170 1180 1190 1200 1210 1220 1230 1240  
 GGTGGGGAATTCATTTTTCATATATTTTCTTCTTCTTCTGACATATATTAATACC  
 ACTCTTCGCAACGCTCCAGA--ATT-TCTCTTGTAGTAATATCTATCTGCTGA-GCTT  
 160 170 180 190 200 210 220  
 1250 1260 1270 1280 1290  
 TGACTAGTGTGTTAGGGTTTACTTTT---CAT--TTTA-CCA-TGC-----ATCCA--AATCT  
 TTCAATAGTCACTGCTGTGTCTTCTTCTTACCCATGAGCGCATCTCTGATTAAGAACT  
 230 240 250 260 270 280 290  
 1300 X  
 AACT  
 GAAGAGCCCTCAGATCGCTCTCCCATTTATATCTGAGTTCTGCGG  
 300 X 310 320 330 340 350

## 8. US-09-759-143-916 (1-1302)

US-09-439-313-44 Sequence 44, Application US/09439313

Sequence 44, Application US/09439313

Patent No. 6329505

GENERAL INFORMATION:

APPLICANT: Xu, Jianshun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang, Yugu

APPLICANT: Reed, Steven G.

APPLICANT: Kalos, Michael

APPLICANT: Fanger, Gary

APPLICANT: Retter, Mark

APPLICANT: Solk, John

APPLICANT: Day, Craig

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

FILE REFERENCE: 210121.427C9

CURRENT APPLICATION NUMBER: US/09/439,313

CURRENT FILING DATE: 1999-11-12

NUMBER OF SEQ ID NOS: 575

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 44

LENGTH: 852

TYPE: DNA

ORGANISM: Homo sapien

FEATURE:

NAME/KEY: misc feature

LOCATION: (1)...(852)

OTHER INFORMATION: n = A,T,C or G

Initial Score = 84 Optimized Score = 132 Significance = 3.21

Residue Identity = 50% Matches = 158 Mismatches = 118

Gaps = 39 Conservative Substitutions = 0

790 980 990 1000 1010 1020 1030  
 TGAAGCAAGAGAGATTCGACAGCGCATCTTCCATTTGAGCCACAGAGCCCTGAG  
 X AATTAATATCAGAG-AAAAGT  
 X 10 20

1040 1050 1060 1070 1080 1090 1100  
 TGTAGTATCAAACTTCTTCCATTCAGAGTCTCTGATTCAGAT--TTTAATG--TAAATTTG-G  
 AGCTTTGA--AAATTTACGCA--GAGTCTTGTCTGATTAATTTGAGTGTGTTGTTG  
 30 40 50 60 70 80

1110 1120 1130 1140 1150 1160

```

AAGACAGATTCAGAAAAAATTCCTTATAAATAACA-ACAG--ATCCTT--CAATAT-GAACT
TCGAAGATATGGACAGCTTACGTTT--TCATTTCTCTCATCTCGGAGATTCCTCCAAATTTATATACC
90      100      110      120      130      140      150
1170      1180      1190      1200      1210      1220      1230      1240
GGTTGGGGAATCCCAATTTTCAATATATTTCTTCTTCTTCTGACATATATATTAATACCC
AGCTTCGTCATCCACAGGCTCCAG--ATT-TCTCTTTTGTAGTAATATCTCATAGCTCGGCTGA-GCTT
160      170      180      190      200      210      220
1250      1260      1270      1280      1290
TGACTAGTGTGGTTGAGGGTTATTAATTTT---CAT--TTTA-CCA-TGC-----AGTCCA--AACT
TTCAATAGTCAATGCTGCTGTGTTCTTTTACCCCAAGCTGAGCCAGCTCTGATTTCAAGAACT
230      240      250      260      270      280      290
1300 X
AACT
GAAGACCCCTCAGATCGGCTTCCCATTTTATTAATCCTGGGTTCTGTGCGG
300 X      310      320      330      340      350

```

9. US-09-759-143-916 (1-1302)  
US-09-030-607-44 Sequence 44, Application US/09030607

Sequence 44, Application US/09030607  
Patent No. 6262245  
GENERAL INFORMATION:

APPLICANT: Xu, Jiaqun  
APPLICANT: Dillon, David C.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO  
NUMBER OF SEQUENCES: 224  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98104

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/030,607  
FILING DATE: 25-FEB-1998

CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:

NAME: Makl, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.427C3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:  
LENGTH: 852 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens

Initial Score = 84 Optimized Score = 132 Significance = 3.21  
Residue Identity = 50% Matches = 158 Mismatches = 118  
Gaps = 39 Conservative Substitutions = 0

790 980 990 1000 1010 1020 1030  
TGAGAGCAAGAGATTCGACAGCCGATCTTCGACTTTCATATGTGCGCCACACGCTTACGAGCCCTGAGG

```

1040      1050      1060      1070      1080      1090      1100
TGTGAGGATCAAACTCTTTTCCATCAGAGCTCTGATGAGT--TTTAATG--TAACATTTT-G
ACATTAATATCAGAG-AAAGT
X      10
AGCTTTGA-AAATTTAGCTCA--GAGGTTCTTTGTTTGTATATATGATGATGATGTTGTTGTTG
30      40      50      60      70      80
1110      1120      1130      1140      1150      1160
AAGACAGATTCAGAAAAAATTCCTTATAAATAACA-ACAG--ATCCTT--CAATAT-GAACT
TCGAAGATATGGACAGCTTACGTTT--TCATTTCTCTCATCTCGGAGATTCCTCCAAATTTATATACC
90      100      110      120      130      140      150
1170      1180      1190      1200      1210      1220      1230      1240
GGTTGGGGAATCCCAATTTTCAATATATTTCTTCTTCTTCTGACATATATATTAATACCC
AGCTTCGTCATCCACAGGCTCCAG--ATT-TCTCTTTTGTAGTAATATCTCATAGCTCGGCTGA-GCTT
160      170      180      190      200      210      220
1250      1260      1270      1280      1290
TGACTAGTGTGGTTGAGGGTTATTAATTTT---CAT--TTTA-CCA-TGC-----AGTCCA--AACT
TTCAATAGTCAATGCTGCTGTGTTCTTTTACCCCAAGCTGAGCCAGCTCTGATTTCAAGAACT
230      240      250      260      270      280      290
1300 X
AACT
GAAGACCCCTCAGATCGGCTTCCCATTTTATTAATCCTGGGTTCTGTGCGG
300 X      310      320      330      340      350

```

10. US-09-759-143-916 (1-1302)  
US-09-020-956-44 Sequence 44, Application US/09020956

Sequence 44, Application US/09020956  
Patent No. 6261562  
GENERAL INFORMATION:

APPLICANT: Xu, Jiaqun  
APPLICANT: Dillon, David C.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO  
NUMBER OF SEQUENCES: 178  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98104

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/020,956  
FILING DATE: 09-FEB-1998

CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:

NAME: Makl, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.427C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:  
LENGTH: 852 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single



GCCACACAGCTTCAGAGCCCTAGTGTGATGATCAAACTTCTTTCCATTCAGAGTCTCTGATT-CAGA  
GAAAAGAGG---AGA-----TGGGT---AATGTAGACATTTCTTGAGAACATTAATGATTATTAGAGA  
30 40 50 60 70 80

1090 1100 1110 1120 1130 1140 1150  
-TTTAAATGTTAACTTTTGAAGACAGATTTCAGAAAAAATTTCCCTT--AATAAATCAACTCAGAT  
GANGAATG-GACCAAGAGACAGAAATTAATTAATTTCTTTGGAATCTGTAATGAGATCAAGAG  
90 100 110 120 130 140 150

1160 1170 1180 1190 1200 1210 1220  
CCTTCAAAATGAAACTGTTGGGGAATCTCCATTTTTCAAATTT--ATTTCCTTCTTGTTCCTGCTA  
GC--CAGCTTT--AGCTTGT--GAAAAGTCCATCAGGTAGTGTGATTCCTGTC--TTCCTTTTC--TGCAG  
160 170 180 190 200 210

1230 1240 1250 1260 1270 1280  
CATATATATTAAATACCTGACTAGTGTGTTGGGTTATTA--CTT--TTCATTTTACCAGT-CAG  
TAGATTAATGA--GATACCGAAGCAATTTGCTTCTTTGATAGAACCTTCTTGCTCATATCAGGAAT  
220 230 240 250 260 270 280

1290 1300 X  
TCCAAATCTAACT  
TCCAGA--NAAAGTCC  
290 300

## 13. US-09-759-143-916 (1-1302)

US-09-232-149A-2 Sequence 274, Application US/09232149A

Sequence 274, Application US/09232149A  
Patent No. 6465611  
GENERAL INFORMATION:APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.APPLICANT: Mitcham, Jennifer Lynn  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATEFILE REFERENCE: 210121.42706  
CURRENT APPLICATION NUMBER: US/09/232,149ACURRENT FILING DATE: 1999-01-15  
NUMBER OF SEQ ID NOS: 338SOFTWARE: FaestSeq for Windows Version 3.0  
SEQ ID NO 274LENGTH: 301  
TYPE: DNAORGANISM: Homo sapien  
FEATURE:NAME/KEY: misc\_feature  
LOCATION: (1)...(301)

OTHER INFORMATION: n = A,T,C or G

Initial Score = 82 Optimized Score = 139 Significance = 3.08  
Residue Identity = 50% Matches = 163 Mismatches = 125  
Gaps = 36 Conservative Substitutions = 0

940 950 960 970 980 990 1000 1010  
GTGCTCAACCAATTGTCTATGAGTGAAGCAAAAGAGATTGCAGCGCATCTTCGACTTTTCCATCTG  
CTTATATACCTTTCTCA-GAG  
X 10 20

1020 1030 1040 1050 1060 1070 1080  
GCCACACAGCTTCAGAGCCCTAGTGTGATGATCAAACTTCTTTCCATTCAGAGTCTCTGATT-CAGA  
GAAAAGAGG---AGA-----TGGGT---AATGTAGACATTTCTTGAGAACAGTAATGATTATTAGAGA  
30 40 50 60 70 80

1090 1100 1110 1120 1130 1140 1150  
-TTTAAATGTTAACTTTTGAAGACAGATTTCAGAAAAAATTTCCCTT--AATAAATCAACTCAGAT  
GANGAATG-GACCAAGAGACAGAAATTAATTAATTTCTTTGGAATCTGTAATGAGATCAAGAG  
90 100 110 120 130 140 150

GANGAATG-GACCAAGAGACAGAAATTAATTAATTTCTTTGGAATCTGTAATGAGATCAAGAG  
90 100 110 120 130 140 150

1160 1170 1180 1190 1200 1210 1220  
CCTTCAAAATGAAACTGTTGGGGAATCTCCATTTTTCAAATTT--ATTTCCTTCTTGTTCCTGCTA  
GC--CAGCTTT--AGCTTGT--GAAAAGTCCATCAGGTAGTGTGATTCCTGTC--TTCCTTTTC--TGCAG  
160 170 180 190 200 210

1230 1240 1250 1260 1270 1280  
CATATATATTAAATACCTGACTAGTGTGTTGGGTTATTA--CTT--TTCATTTTACCAGT-CAG  
TAGATTAATGA--GATACCGAAGCAATTTGCTTCTTTGATAGAACCTTCTTGCTCATATCAGGAAT  
220 230 240 250 260 270 280

1290 1300 X  
TCCAAATCTAACT  
TCCAGA--NAAAGTCC  
290 300

## 14. US-09-759-143-916 (1-1302)

US-09-352-616A-2 Sequence 274, Application US/09352616A

Sequence 274, Application US/09352616A  
Patent No. 6395278  
GENERAL INFORMATION:APPLICANT: Dillon, Davin C.  
APPLICANT: Harlocker, Susan LouiseAPPLICANT: Xu, Jiangchun  
APPLICANT: Mitcham, Jennifer Lynn

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

FILE REFERENCE: 210121.42706  
CURRENT APPLICATION NUMBER: US/09/352,616ACURRENT FILING DATE: 1999-07-13  
NUMBER OF SEQ ID NOS: 472SOFTWARE: FaestSeq for Windows Version 3.0  
SEQ ID NO 274LENGTH: 301  
TYPE: DNAORGANISM: Homo sapien  
FEATURE:NAME/KEY: misc\_feature  
LOCATION: (1)...(301)

OTHER INFORMATION: n = A,T,C or G

Initial Score = 82 Optimized Score = 139 Significance = 3.08  
Residue Identity = 50% Matches = 163 Mismatches = 125  
Gaps = 36 Conservative Substitutions = 0

940 950 960 970 980 990 1000 1010  
GTGCTCAACCAATTGTCTATGAGTGAAGCAAAAGAGATTGCAGCGCATCTTCGACTTTTCCATCTG  
CTTATATACCTTTCTCA-GAG  
X 10 20

1020 1030 1040 1050 1060 1070 1080  
GCCACACAGCTTCAGAGCCCTAGTGTGATGATCAAACTTCTTTCCATTCAGAGTCTCTGATT-CAGA  
GAAAAGAGG---AGA-----TGGGT---AATGTAGACATTTCTTGAGAACAGTAATGATTATTAGAGA  
30 40 50 60 70 80

1090 1100 1110 1120 1130 1140 1150  
-TTTAAATGTTAACTTTTGAAGACAGATTTCAGAAAAAATTTCCCTT--AATAAATCAACTCAGAT  
GANGAATG-GACCAAGAGACAGAAATTAATTAATTTCTTTGGAATCTGTAATGAGATCAAGAG  
90 100 110 120 130 140 150

1160 1170 1180 1190 1200 1210 1220  
-TTTAAATGTTAACTTTTGAAGACAGATTTCAGAAAAAATTTCCCTT--AATAAATCAACTCAGAT  
GANGAATG-GACCAAGAGACAGAAATTAATTAATTTCTTTGGAATCTGTAATGAGATCAAGAG  
90 100 110 120 130 140 150

CCTTCAAAATGAACTGGTGGGAATCCATTTCATAT--ATTTCCTCTTGTCTTCTGCTA  
 GC--CAGCTTT--AGCTTGT--GGAAAGTCCATAGTATGATGATTCCTGTC--TTCCTTTC--TGCAG  
 160 170 180 190 200 210  
 CATATATATTAATACCTGACTAGGTGGTGGTTAGGGTTATTA--CTT--TTCATTTTACCATG--CAG  
 TAGATATATGA--GGTAACCGAAGGCAATGTGCTCTTTGATAGAAGCTTCTGTGATCATACAGAAAT  
 220 230 240 250 260 270 280  
 1290 1300 X  
 TCCAAATCTAACT  
 TCCAGA--NAAAGTCC  
 290 300

15. US-09-759-143-916 (1-1302)  
 US-09-439-313-27 Sequence 274, Application US/09439313

Sequence 274, Application US/09439313  
 Patent No. 6329505  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jianshun  
 APPLICANT: Dillon, Davin C.  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Harlocker, Susan Louise  
 APPLICANT: Jiang, Yugu  
 APPLICANT: Reed, Steven G.  
 APPLICANT: Kalos, Michael  
 APPLICANT: Fanger, Gary  
 APPLICANT: Retter, Mark  
 APPLICANT: Solk, John  
 APPLICANT: Day, Craig  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 FILE REFERENCE: 210121.427C9  
 CURRENT APPLICATION NUMBER: US/09/439,313  
 CURRENT FILING DATE: 1999-11-12  
 NUMBER OF SEQ ID NOS: 575  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 274  
 LENGTH: 301  
 TYPE: DNA  
 ORGANISM: Homo sapien  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)...(301)  
 OTHER INFORMATION: n = A,T,C or G

Initial Score = 82 Optimized Score = 139 Significance = 3.08  
 Residue Identity = 50% Matches = 163 Mismatches = 125  
 Gaps = 36 Conservative Substitutions = 0  
 940 950 960 970 980 990 1000 1010  
 GTGCTCAACCAATTGCTATGAGTGAAGACAAAGAGATTCGACAGCCGATCTTCGACTTTCCATGTG  
 CTTATATCTCTTTCTCA--GAG  
 X 10 20  
 1020 1030 1040 1050 1060 1070 1080  
 GCCACACACCTTCAGAGCCCTTAGAGTGTGATGATCAAACTCTTTCCATTCAGAGTCCGTGATT--CAGA  
 GCAAAAGAG--AGT--TGGT--AATGTAGACATTTCTTTGAGACAGTAATGATTAATTAAGA  
 30 40 50 60 70 80  
 1090 1100 1110 1120 1130 1140 1150  
 -TTTATGTAAACATTTTGAAGACAGTATTCAGAAAAAATTTGCTT--AATAAAATCAACTGAT  
 GAANGATG--GACCAAGAGACAGAAATTAATTGTAATGATTCCTTTGGAATGTGAATGAGATCAAGAG  
 90 100 110 120 130 140 150

1160 1170 1180 1190 1200 1210 1220  
 CCTTCAATATGAACTGGTGGGAATTCATTTTCATAT--ATTTCCTCTTGTCTTCTGCTA  
 GC--CAGCTTT--AGCTTGT--GGAAAGTCCATAGTATGATGATTCCTGTC--TTCCTTTC--TGCAG  
 160 170 180 190 200 210  
 CATATATATTAATACCTGACTAGGTGGTGGTTAGGGTTATTA--CTT--TTCATTTTACCATG--CAG  
 TAGATATATGA--GGTAACCGAAGGCAATGTGCTCTTTGATAGAAGCTTCTGTGATCATACAGAAAT  
 220 230 240 250 260 270 280  
 1290 1300 X  
 TCCAAATCTAACT  
 TCCAGA--NAAAGTCC  
 290 300

16. US-09-759-143-916 (1-1302)  
 US-09-352-616A-8 Sequence 89, Application US/09352616A

Sequence 89, Application US/09352616A  
 Patent No. 6395278  
 GENERAL INFORMATION:  
 APPLICANT: Dillon, Davin C.  
 APPLICANT: Harlocker, Susan Louise  
 APPLICANT: Jiang, Yugu  
 APPLICANT: Xu, Jianshun  
 APPLICANT: Mitcham, Jennifer Lynn  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
 FILE REFERENCE: 210121.427C8  
 CURRENT APPLICATION NUMBER: US/09/352,616A  
 CURRENT FILING DATE: 1999-07-13  
 NUMBER OF SEQ ID NOS: 472  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 89  
 LENGTH: 463  
 TYPE: DNA  
 ORGANISM: Homo sapien  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)...(463)  
 OTHER INFORMATION: n = A,T,C or G

Initial Score = 82 Optimized Score = 205 Significance = 3.08  
 Residue Identity = 49% Matches = 248 Mismatches = 191  
 Gaps = 62 Conservative Substitutions = 0  
 590 600 610 620 630 640 650  
 CTGCCCTTCGCCGCTCCAAATATCTCTTCCATTCCTAAGCTTACACCAAGATGATGAGCTGGC--CT  
 GTGATGATATC--CGGCTAATGTGCTATGAGCCCTTATC--GTCAATCATCTCCGCAATGGCTTGAGACT  
 GTGATGAAACCAATGGGCGCAGAG--CTTGAGTTATCAGTAGTATGAT--TGTGCAAG--TTGG--TGTG  
 30 40 50 60 70 80  
 730 740 750 760 770 780 790  
 TCTCATCTCCTTTCATATCTGCTTATTTCTTA--AGACTGTGTGGGCTTACACGTAAGCCAG--GCC  
 TAACTGAGTATGTAAATGT--CAAAAAATTAGCAGA--GGCTAGGCTGTGATTCAGCAG--ACAGTTTGT  
 90 100 110 120 130 140 150  
 800 810 820 830 840 850  
 AAAGATTTGCA--CTTGCGCTCTGATGCTGTGCTGTGCTGTATATTTATATGAC--CTTTATTTGAT  
 CGTGATTTTGTAGCTTGAAGTTCTCA--GTGACAGTNNTTGTGATGCGAAGTTTNNATTCAGAGTTT  
 160 170 180 190 200 210

860 870 880 890 900 910 920  
 -GTCCATGGGATGCTTTAGCAAGCGGGTACTCTCCGCTGCCCGCATCTGGCCATATCTATCTGC  
 AATCTT--TGCA--CTTT--NATG--TTNAGACTTGCTCT--NTNAAAT--GCTTTGTTT--TCTGC  
 230 240 250 260 270 280  
 930 940 950 960 970 980 990  
 TGGTTCCTCTCTG--GCTCAACCAATG-----TCTATGAGTGAACAAAGAGATTGACAGGCAT  
 AGTACTATCTGTGTTTAAACAATAGAAANACTTCTGCTTGAANA--TTGAATATCTTACATATNA  
 290 300 310 320 330 340 350  
 1000 1010 1020 1030 1040 1050 1060  
 CCTTCACCTTTCATGTGGCCACACAGCTTCAGAGCCCTAGGTGTCAGTGAATCTTTTCCATTC  
 AAT--NATTTCT--TCCCATANNAACCCAGCCCTTG--GANAAT--TTGAAAANGNT--CCTTC  
 360 370 380 390 400 410  
 1070 1080 1090 1100 1110 1120 1130  
 AGAGTCCCTGCA--TTCAGATTTTATGTTAATTTGAGACAGATTCAGAAAAAATTTCTTAAT  
 NNAATTCNNANANTTCAGNTTCA--TACACANAAACGAGNCCC  
 420 430 440 450 460 X  
 1140 1150  
 AAAAAATCAACTCAGATCCTTCAAA

17. US-09-759-143-916 (1-1302)

US-09-020-956-89 Sequence 89, Application US/09020956

Sequence 89, Application US/09020956  
 Patent No. 6261562

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillip, Davin C.

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO

NUMBER OF SEQUENCES: 178

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED AND BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98104

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/020,956

FILING DATE: 09-FEB-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.427C2

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 89:

SEQUENCE CHARACTERISTICS:

LENGTH: 463 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

Initial Score = 82 Optimized Score = 205 Significance = 3.08

Residue Identity = 49% Matches = 248 Mismatches = 191  
 Gaps = 62 Conservative Substitutions = 0

590 600 610 620 630 640 650  
 CTGCCCTTTCGCGCTCCAAATATCCCTTCCACTTCCACTGCTACACCAAGATGACGAGCTGC--CT  
 GATGATATATC--CGGTCATATGCTGTAATGCGCTTATC--GTATCATCTCCGCAATGCGCTGACACT  
 GTATGGAACCATTTGGCCGAGANG--CTTTGATTTATCAGTAGAT--TCTGCCAAG--TTGG--TCTTG  
 30 40 50 60 70 80  
 720 730 740 750 760 770 780  
 TCTCATCTCTTCTCATATCTGTTATTTTA--AGACTGTGTGGCTTCAACAGCTGAAGCCAG--GCC  
 TAACATGAGTATGTAAATGT--CAAAAAATGACAGA--GCTCAGGCTGCATATCAGCAG--ACAGTTTGT  
 90 100 110 120 130 140 150  
 790 800 810 820 830 840 850  
 AAGCATTTGGCA--CTTGCTTCTTCATATGTGTCTGTCTTCAATTTCTATGAC--CTTTCATGAT  
 CGGTATTTTGTAGCCCTTGAAAGTTTCA--GTGACAGTNNTTCTGATCGAAGTCTTNAATTCAGGTGTTT  
 160 170 180 190 200 210 220  
 860 870 880 890 900 910 920  
 -GTCCATGGGATGCTTTAGCAAGCGGGTACTCTCCGCTGCCCGCATCTGGCCATATCTATCTGC  
 AGTCTT--TGCA--CTTT--NATG--TTNAGACTTGCTCT--NTNAAAT--GCTTTGTTT--TCTGC  
 230 240 250 260 270 280  
 930 940 950 960 970 980 990  
 TGGTTCCTCTCTG--GCTCAACCAATG-----TCTATGAGTGAACAAAGAGATTGACAGGCAT  
 AGTACTATCTGTGTTTAAACAATAGAAANACTTCTGCTTGAANA--TTGAATATCTTACATATNA  
 290 300 310 320 330 340 350  
 1000 1010 1020 1030 1040 1050 1060  
 CCTTCACCTTTCATGTGGCCACACAGCTTCAGAGCCCTAGGTGTCAGTGAATCTTTTCCATTC  
 AAT--NATTTCT--TCCCATANNAACCCAGCCCTTG--GANAAT--TTGAAAANGNT--CCTTC  
 360 370 380 390 400 410  
 1070 1080 1090 1100 1110 1120 1130  
 AGAGTCCCTGCA--TTCAGATTTTATGTTAATTTGAGACAGATTCAGAAAAAATTTCTTAAT  
 NNAATTCNNANANTTCAGNTTCA--TACACANAAACGAGNCCC  
 420 430 440 450 460 X  
 1140 1150  
 AAAAAATCAACTCAGATCCTTCAAA

18. US-09-759-143-916 (1-1302)

US-08-904-804-30 Sequence 30, Application US/08904804

Sequence 30, Application US/08904804  
 GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillip, Davin C.

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO

NUMBER OF SEQUENCES: 76

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED AND BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98104

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk







CTCAGTGTGGAACCCAC--CATGAAGGGCTCAAGTGTGCTTCACCAACTATAGCAATTTGAGGA  
540 550 560 570 580 590 600

TTT--CACTAC--CATCCAGTTTGTGTCTGC--TACAGATG--TTTGGCATCCACTCTTATCTGGCAT  
360 370 380 390 400 410  
CTCACCCTTACTTCAAGAGAACAGGCGCTTCCCATCTTCTTGCAATGACAGTACACACAGCCAA  
610 620 630 640 650 660 670

420 430 440 450 460 470 480  
GGAATCCACAGTGTGTCTGC--CATGGCTTTTGAACCGCTATGTGGCATCTG--TCACCA--CTGGCCATG  
TGAACC--TGACCAAGAGAGGCTCAAGACCAAAAGTAGAGGTGCTTCAATGCTTTGTATG  
680 690 700 710 720 730 740

490 500 510 520 530 540 550  
CCA--CAGTACTTACCTGTGCTGTGCTGCACAAATTTGGTGTGGCTGTGGTGGTGGGAGGCTGACTGATG  
ACATCCGAACATA--TGC--AGTACCGTGGGTGTGTGGCAGCTG--GAATGGGGGCTTGA--GCTG  
750 760 770 780 790 800

560 570 580 590 600 610 620  
GCACCCCTTCTCTTCTTATGATGAGAGTGGCTGTGTCG--GCTTCAATA--TCTTTCCATCTCTACTGC  
GCTGCATGATGTGTCAT--GTATCTG--TACTGCAATCTACAAATAGTCCACTTC--TGCTT--CTGC  
810 820 830 840 850 860

630 640 650 660 670 680 690  
CTACACCAAGATGTGATGAGAGTGGCTGTGATGA--TATCCGGGTCA--TGTGTCTATGAGCTTATGCT  
CACTAC--TGCTGCCA--CATG--GGAATCTGAAGAGGACCTGTG--CAAGCAGAGATTTGGGGGAGGGGA  
870 880 890 900 910 920 930

700 710 720 730 740 750 760  
CATATCTCCGCCAT--TGCCCTGAGCTACTTCTCATCTCTCTCTCATATCTGCT--TATCTTAAGACTGTG  
CAGATCT--AACATGTGACTTGGGC--CAGATGGA--CTTGCCC--TTTCTGTCCAGACTTGGGCT--AG  
940 950 960 970 980 990

770 780 790 800 810 820 830  
TTGGGCTTTGACACTGAAGCCAGCCAGGCAAT--TGGCACTTGGCTCTCTCATGTGTGTGTGT--C  
ATAGGAGACCACTCTCTTGAAGGATGCC--TGACTTCTCTCATGTGTGGGT--GGATGGTGGGGGCAATTCC  
1000 1010 1020 1030 1040 1050 1060

840 850 860 870 880 890  
ATA--TTCTA--TGTACTTTTA--TTGATTTGTCCATGTGTGATGCTTTAGCAAGCGGCTGA--CTCTCCGC  
AGAGCCCTTAGGTAGC--CAGTTCTGTGCCCCAT--TCCCCAGTCTATTAAAC--CCTTGATATGCCCCC  
1070 1080 1090 1100 1110 1120 1130

900 910 920 930 940 950 960  
TGCCCCGATCTTG--GCCAAT--ATCTATCTGTGTCTCTCTCTGTGCTCAACCAATTTGTATG--GAG  
TAGGCTTAGTGTATCCAGTGTCTTA--CTGGGGATGAGAAAG--GCA--TTTATAGCTGGGGCATAG  
1140 1150 1160 1170 1180 1190 1200

970 980 990 1000 1010 1020 1030  
TGAAGACAAAGAGATTCAGAGGCAATCTTGA--CTTTTCATGTGGCCACACAGCTTCAAGAGCCCT  
TGAATATGACAGAGCTTC--TGGGTGAATGTATGAGAGGCACTTAAATG--CATTAACCTGTTACATGTT  
1210 1220 1230 1240 1250 1260 1270

1040 1050 1060 1070 1080 1090 1100  
AGGTGCAAGTATCAATCTTCTTTCATTCAGAGTCTCTGATTCAGATTTTATGTAAATTTT  
AAAAAAAAAAAAAA  
1280 X